

p11089.ST25.txt
SEQUENCE LISTING

<110> Medtronic, Inc.
Kaemmerer, William F.

<120> Treatment of Neurodegenerative Disease Through Intracranial Delivery of
siRNA

<130> P11089.00

<160> 23

<170> PatentIn version 3.1

<210> 1
<211> 21
<212> DNA
<213> Homo sapiens

<400> 1
aaccaagagc ggagcaacga a 21

<210> 2
<211> 21
<212> DNA
<213> Homo sapiens

<400> 2
aattcgttgc tccgctcttg g 21

<210> 3
<211> 21
<212> DNA
<213> Homo sapiens

<400> 3
aaccaagagc ggagcaacga a 21

<210> 4
<211> 21
<212> DNA
<213> Homo sapiens

<400> 4
aattcgttgc tccgctcttg g 21

<210> 5
<211> 21
<212> DNA
<213> Homo sapiens

<400> 5
aaccagtacg tccacatttc c 21

<210> 6
<211> 21
<212> DNA
<213> Homo sapiens

<400> 6
aaggaaatgt ggacgtactg g 21

p11089.ST25.txt

```

<210> 7
<211> 145606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(145606)
<223> LOCUS AF163864 145606 bp DNA linear P
      RI 24-JAN-2001
      DEFINITION Homo sapiens SNCA isoform (SNCA) gene, . . .
      ACCESSION AF163864

<300>
<308> AF163864
<309> 2001-01-24
<313> (1)..(145606)

<400> 7
aattttcctt gaaaaacata gatgtccagt tctatctctc atattttttc ttttcataga 60
gatatggcac tttaggatta atttaagctg caaacagcag aaaaatgcaa aataacagtg 120
gcttaaatga aatagaaata ttttatctct tgaaaaagtt ctgataaaga cagtcaaagt 180
ctagaagggc aactgtgttc cagaaggttc tcaaggagcc aggctacctc taaccctactg 240
ctctgccatc tctaattcat gtcgtatgtc ctcagggtcc acaatggcag taagaacgct 300
cctcatcata tctgtgtttc aaatagtaga atggagagaa agagaagaaa aggaggcatt 360
aaggaagggt ccagaagctg ccatttgaça cttctgttaa catttaattg gccaaaattt 420
aatctcatat cgcataagct gtaagagatg ctggaaaact tatttgtctc cactctacat 480
ggacattatc agagtatttc tcaacagaga ggtctatgta ataatagtaa aaagtaagag 540
tggacacaaa ctagtcctt tacctttcag tagaagtaaa aatgctatat taatatttac 600
tctctctctc tctctctctc tctctctctc tcatttttgg ttttgacaat caaattcagc 660
taaatatgat tgaaactaaa atcaaggaaa atgcattata ctctgttggt atggtaactg 720
gaatggtgaa atgtgtggat tattttcaca ctttcaataa tatgtttcta accatatatt 780
ttttaaaaat tgctgcaggg tttgcttaat gaccagagta taaaggcaca tttttttctc 840
agttggcaaa aacacagttt tgacaaattt gacaagtttt tgtagatctg taatttattt 900
gatttaatta aattttcatc ttgttttcac aatgagttat tgaaaataaa atctaaagct 960
ttaaacagga aaatttttaa tttgaatttt cttggttgaa ctacttatac ttttcacttt 1020
caattcacta acagaataaa tacatcattc cactgaatat gagccatcca tacaagagt 1080
ccatgaccaa atgcaatgtc actaggtatt taaagtaacc tataaattat gttctgtctc 1140
attgtccaca aaatattaca acctgcatat ttggaaaaac attttgttca tgatatgtac 1200
atatatgagg catgcatatg gataaataca tataaagttg tgaaaattag gcaaatttta 1260
tattttcgtc cactcttgaa actttcattt ttcaaaaaca aaatttaaaa tgctaacttt 1320
taaaataaat gtgccatagt agcacaatat gttaatatgt gggaaaactg catggaaaat 1380

```

p11089.ST25.txt

atacagaaat	gcttcatact	ttacaattct	tttgtacatc	ccatattatt	tcaaaagtta	1440
aaagttttta	atatgttcag	tcttgaaatg	tatcagaaat	gtttatctaa	agttttgttg	1500
gtgttaagat	taatataatta	gtaatattac	acacagaaag	acagaaggta	aaagtaaagt	1560
tagtttgaat	atgactgtca	ttttaagtca	ttaacattta	actttacca	cttcatctca	1620
agttggccca	tatcactgcc	caacttaaac	acatggctac	atgcagcagg	taaagtacat	1680
ggcaggacta	ttgagatatc	aaggagtcac	tgtgtgtcag	gaaatgataa	agttccccag	1740
cgtctcctca	cctgtgtcag	gccgacttag	ggaaaccaca	ttctacgttc	ataaagagt	1800
atctgcgggc	ttgaaaggca	agtaagcaga	aagaagtgtt	tatcccagca	attcatgaaa	1860
atgttgaaaa	aaaagaaaaa	ctaagtcagc	tttccttaga	acccaagttt	cggcctgcct	1920
tttaaaat	tctctatcaa	agctgccacc	ttttttccag	atgctcaaga	taaaacactc	1980
aacacagaaa	tgcatgattt	tggtgctgag	ataccggttt	gttgtttaca	ctctgccctc	2040
ctatccattg	caccttccag	ttccgcttgc	tctcagcttc	cacctctgat	tgctacttac	2100
acaatttatc	ccatgaaaca	ccatcagatt	attccagcac	acaccagtat	ctctgggcct	2160
tccctggtgc	actgcactct	ctcctttcca	cagagcctgt	ggaaagagt	gcacagtagc	2220
tggaggggca	cacagggtag	agagcacctt	tccccacca	actcttgagg	tgctgtagac	2280
ctgaggtggt	accatgaagg	aaacatggac	agttgagacc	acatgcaaga	gcccagacac	2340
acggctcaag	ctcccagggt	cagtgatagt	gtatagctag	ctgggaaccc	tgactgggcc	2400
ctgtgttcaa	catgagtggg	tcaccctaaa	agacatttca	gcgtggttct	gcctaccaa	2460
tcttgcaaa	aaatacctct	ccactcagtg	agaagtgatc	cactagccag	gctgccctcc	2520
tagacctgaa	ttaaccatag	agtcccagaa	ttattctata	ggcttgagcc	ccagcattct	2580
gtggggcatc	tggttgaccc	cacaggcagc	agggctagga	agtctgagag	tagcatctca	2640
aaagggtgaa	gaggctggcc	cacaggggtc	ctgttcaggc	tgagagtgca	gctcctgaaa	2700
agcactgcaa	accctgaagt	tcccagcgtg	ggagggaggg	cgatttggag	aattgtgagg	2760
aaggcattcc	aaagtgctac	ggtgcccaag	tgaagactta	cgtcgagaag	aaatagaaaa	2820
atgacagctt	ttccccaagt	ggtaacaaga	attagctaaa	ccaagcctaa	ttgtatatcc	2880
ttcccaat	taaccatttt	attaaatcac	tgaagctctc	ctgagcagaa	taaggggtag	2940
ggaaagaatt	cagaataatt	cagggaaaat	gcctcctcat	gaaaactcta	aaatttgga	3000
aacggttggt	tcctagtaat	cgagatagct	atattttcct	tcacttacca	aaatgaaact	3060
taggaagttc	attctctttt	actcctaate	tgcaaatacc	ttagtccagt	gaacaaatgt	3120
gaaccgaaag	agccaatctt	tcaaaataca	acctgagtgg	ctaaatgggg	ctatgtttta	3180
aatagaggca	agtggccatt	tgctgactaa	agatcacaca	tgtatactct	gagttccctg	3240
aaaacctaca	gctctgctca	actttggggac	ttccagagct	cacctgatct	accaatcagg	3300
cctggactgc	ttcaaccaat	cagggctcag	ctgtatcaaa	caatgggaac	tgagcatttt	3360
cataaaca	cctgactgga	aacttggggtg	ggaacttttg	ccataataac	tgaaccctct	3420

p11089.ST25.txt

cttggttctc	tggatcacac	cttcatttta	caccaaagc	tttgaatcac	ggtttgcaaa	3480
ctgttccactg	gaataaagtc	tctttcttcc	aaattccttt	tcagagaact	tttgttcaca	3540
gtccctatta	tccgagataa	atctgtaagc	aatatgtatg	tgatggaaaa	tgtttcttcc	3600
ttcctcccca	actttcaatc	cttggttcttt	tctaatacatc	ttatagataa	tgtctaagaa	3660
attggcttat	ttaagttaaa	agttttgact	tccttactac	tcatttgaaa	gtacaaaata	3720
cctcagttgc	acatgcctac	ctactacgtc	aacagtgtgc	tgctgcatat	taaaagagat	3780
ccaatttcaa	atcacctaga	aaaggctaaa	tcttactttt	tcttgcttta	gatgacctct	3840
ctctatatat	aaggctgata	tcagccacaa	acctcccctt	ccttggtgaga	ggagggcagc	3900
cttcaaaactg	aagttcagag	cattgtttgta	caatattcct	gaggtatatt	gctccccata	3960
ggattgggat	ctgtgccata	gaacctataa	atgggattta	cacaagtttc	tgttattgtc	4020
caggaataa	attttggacc	acaaaagtga	aatatataat	tcccaatgcc	ttttaaagt	4080
ataaatatgg	acagcagctc	agtgcacttt	tactggatt	aacagcatgc	tgctatattg	4140
cgatactgcc	aaaaaagacc	ttatatttca	aagcagaata	cattagtcct	agaaaaggag	4200
aagagcagct	ctaggggatg	tccatgatcc	ctctgtgaat	ctattgtctg	cttcattgcc	4260
tgaggcagaa	caaaagagca	cgtggccaag	aatgaggctc	tggatcagcc	cagcttgggt	4320
cctcggcctc	aaactatggc	ctcagcgaca	gtttcctgat	ttgcggagta	aatactactg	4380
tgagtatcca	acacaattca	gaggattgaa	tgaggttaat	taacttaatt	aacaagtatt	4440
aattaattaa	ttaaaaacac	taggtcacag	cctgggccat	aataagctat	caataaacac	4500
ttactattgg	tgtagcaat	ctttactttt	atttaagtga	tgtaattact	ccaatgtact	4560
ttatttgagt	gatggaatta	tagatatata	tttataactt	atataagtgt	aagtagttac	4620
acttttggaa	tatacttata	caagtactta	tataggttat	attaaagtat	atatttataa	4680
catatttata	ggattaatgt	aagaatattt	tttataaaat	gatctaakat	gctaaaatat	4740
agaaattaat	tagtaaaatt	ataatttact	ttagcttgtg	tttatttgac	accaactacc	4800
tggacattta	gtccatttac	tgcagtactt	ctccagggtat	gattccttggg	ccagcaccat	4860
cagcattacc	tgggaaatga	gttagaaatg	cacatttctca	ggccccacca	caggcccata	4920
taaaaacat	ggatttagtg	tatctagaag	gacaaaaatc	aaaacactta	gcttcattca	4980
ggaaaaaaat	aattctgata	ttgatagata	cctctcttca	cttttaaaag	tttcttctta	5040
tagaaaccag	atctgattgt	attgttaaaa	ttaaacttgt	aaattttttc	acaacgaatt	5100
tcctgtatgg	tgggtctatgt	ttggggaaat	actcatcccg	gaactcaact	gtacaggggt	5160
gggcatgttt	tacatacaag	tgtatgtctc	tcttcttgtc	ttccttctcc	cttgaaccct	5220
agtctccctc	cctgcctttt	cagaagtttc	cccctggagt	tctcagccta	ttctctttta	5280
tctttccatc	caaacgtagt	caccaatata	gtcctctttt	ctctctcaat	ctacacagca	5340
gaagcctcca	ctgctgcttt	agaatccaga	gatatttcca	atcccattat	ccccaaagat	5400

p11089.ST25.txt

gaagtctctc	ttaaaaatcg	agattctcta	tttttagtagt	ggtggctctg	tgttcatgct	5460
gttcctctctg	cctagaacag	catttcttca	tatttttcaca	tattttttaca	gcacatggca	5520
cataaaaagc	acacaataaa	caccaacatt	ctgagttaaa	aatgtgaaat	gtcttttcct	5580
gcaaaaataa	tatatgcctg	gtgtttgtcc	cagttcaata	cacatttatt	gactgcctaa	5640
tactttgcag	gcattgaaca	aagcatgggg	tagaaataat	aacagtattt	tctccccaca	5700
ctgaagtagt	gtgcactcta	caaataggga	agatatatat	atcttcctta	tattatatat	5760
atztatatat	ataaatatat	atztatatta	tttatatata	tataaacata	tatatataaa	5820
tagattactt	tcacataatg	tcacaggtgt	agcaatagga	gagtacacac	agtggcttgt	5880
gaatactgag	gccaaactga	gagatcagaa	aagggttttta	ggagaagggtg	atgaagggtg	5940
gaatatattt	taaaactgtt	aatgtgtgtt	tcaaagggca	ataaacaccc	atatgttcca	6000
taaatattat	aaacagcatg	cttattcaag	ttagttcaga	ttatgttttc	aaaagcaaaa	6060
tagatttaag	tcacacttat	tctttccttt	aaataaaaatg	ttcttcaagt	taaaagtatt	6120
atgaagtatg	tctgggaacc	attttcttgt	tggaggccct	taacatcttc	acatatccc	6180
aaatcagaaa	ttagcaaacc	attttgacat	ctccctcttc	ctcaattctc	tcatacaagc	6240
atccctaagt	catatccatt	gcatttccaa	tgtttttcaa	attatttttt	cctttaacat	6300
ttgtattgtc	agtgccctat	ttttgcatct	cctaatttct	ttctagataa	catcctaatt	6360
ttttcccca	aatctagttt	tcatccctc	caaatatctg	caagatatca	cagtgtcttt	6420
taagcaaaac	aaatcggatc	acatttttct	cttattttaa	tcttttatta	ttatgtctct	6480
ctaactagga	tgaatatgca	tcccagtttg	tccaaatgta	gatattccag	ttttatactt	6540
gctgactagc	ataattgtca	ggagtgtctc	ctttcactct	cagaagtgcc	tgttctgaat	6600
tcaaaattat	atagtttagc	ttctcattgc	cttcattatt	ttgttttaat	tcaataatct	6660
tacattaaaa	tcttcattta	taatgtgagt	cctgccatta	agagatgcaa	gattgtcttt	6720
acacccggct	ttaccctttt	acaatttgag	ttcatcaaaa	tcattggatta	tgtcttaaaa	6780
acaactagta	tttaacacca	tgctgccat	tgaataggca	tgtaatgatg	tttattaaat	6840
tttaaatagc	tacatttaaa	attgaagggt	ttgttattaa	tcataattcta	tgtgaaacat	6900
ccttagatta	ttgaaagcat	ccatatgctt	ttcgacattc	ttttatatat	atatttttat	6960
tatactttta	gttctaattgt	acatgtgcac	aatgtgcagg	tttgttacat	atgtatacat	7020
gtgccatgtt	ggtgtgctgc	accactaac	tcgtcattta	cattaggtag	atctccta	7080
gctatccctg	ccccatcccc	ccacccaca	acaggcccct	gcatgtgata	ttccccttc	7140
tggtgtccaag	tggtctcatt	gctcaatttc	cacctatgag	tgagaacatg	tggtgtttgg	7200
tattttgtcc	ttgcgatagt	ttgctgagaa	tgatggtttc	cagcttcac	catgtctcta	7260
caaaggacac	gaactcatca	ttgtttatgg	ctgcatagta	ttccatgggtg	tatatgtgcc	7320
acattttctt	aatccagtct	atcattgttg	aacatttggg	ttggttccaa	gtctttgcta	7380
ttgtgaatag	tgccgcaata	aacatacatg	tgcattgtgtc	tttatagcaa	catgatttat	7440

p11089.ST25.txt

attccttttg	gtatataccc	agtaatggga	tggctggatc	aatggcatt	tctagctcta	7500
gatccctgag	gaattgccac	actgtcttcc	acaatggttg	aactagttta	cagtcccatc	7560
agcagcataa	gagtgttcct	atttctccac	atcctctcca	gcacctgttg	tttcctgaat	7620
ttttaagatc	accattctaa	ttggtgtgag	ataatatctc	gttggtggtt	tgatttgcac	7680
ttctctgatg	ggcagtgatg	atgacccttt	tttcatgtgt	ctgttggttg	cataaatgtc	7740
ttcttttgag	aagtgtctgt	tcatatcctt	tgcccacttt	ttgatggggt	tgtttggttt	7800
tttcttgtaa	atttggttga	gttctttgta	gattctggat	attagccctt	tgtcagatga	7860
gtagattgca	aaaattttct	ccattctgt	aggttacctg	ttcactctga	tggtagtttc	7920
tttgctgtg	cagaagctct	ttagtttaat	tagatcctat	ttgtcaattt	tggttttcgt	7980
tgccattgct	tttggtgttt	tagacatgaa	gtccttgacc	atgcctatgt	cctgaatggg	8040
gttgccatag	ttttctccta	gggtttttat	ggtttttagat	ctaacattga	agtctttaat	8100
ccatcttgaa	ttaatttttc	tataagggtg	aaggaaggga	tccagtttca	gctttctaca	8160
tatggctagc	cagttttccc	agcaccattt	gttaaataagg	gactcctttc	ccaatttctt	8220
gtttttgtca	ggtttgtcag	agatcagatc	attgtagatg	tgtggtatta	tctgagggct	8280
ctgttctgtt	ccattgggtc	atctctctgt	tttggtacca	gtaccgtgcc	attttgggta	8340
ctgtagcctt	gtagtttttg	tgtggatgtc	ctttctgttt	gttagttatc	cttttgacag	8400
tcaggatcct	cagctgcagg	tctgttgagg	tttgctggag	gtccactcca	gaatctgttt	8460
gcctgggtac	cagcagagcc	tgagaacag	cgaaaattgc	tgaacagcaa	atgttgctgt	8520
ctgatcgctc	ttctggagggt	ttcatctcag	aggggtacct	ggctgtgcga	ggtgtcagtc	8580
tgcccctact	tgggggtgcc	tcccagatag	gtactcggg	ggtgaaggac	caacttgagg	8640
aggcagtctt	tccattctca	gatcccaaac	tccatgctgg	gagaaccact	actctcttca	8700
aagctcttcg	acagggacat	ttaagtctgc	agaggtttct	gctgcctttt	gtttggctat	8760
gccctgcccc	cagagggtgga	gtctacagag	gcaggcaggc	ctccttgaa	tgcggtgggc	8820
tccccccagt	ttgggcttcc	tggccacttt	gtttacctac	tcaagcctca	gcaatggcga	8880
gcgccccttc	cccagcctcg	ctgccacctt	acagttcaat	ctcagactgc	tgtgctagca	8940
atgagcaagg	ctccgtgggc	atgggaccct	ctgagccagg	cgcaggatat	aatttcctgg	9000
tgtgccgctt	gctaagacca	ttggaaaagc	gcagtatttg	ggtgggagtg	acccgatttt	9060
tcagggtgccg	tctgtcacag	ctttgcttgg	ctatgaaagg	gaattccctc	accccttgca	9120
cttctctgggt	gaggcaatgg	ctccctgttc	ttcgggtcat	gctcgatgtg	ctgcacccac	9180
tgtcctgcac	ccactgtcca	ataagccaca	gtgagataaa	cccagtacct	cagttggaaa	9240
tgcagaaatc	accagtattc	tgcgttgctc	acactgcaag	ctgtagactg	gagctgttcc	9300
tattcggcca	tcttggaact	gccctcactg	actcaacatt	atttttaaca	tgtttattta	9360
cacatttata	aatgatcac	tgagtactta	atacataatc	tagttgagca	atgtcctggg	9420

p11089.ST25.txt

gatgcttgga	tatgagaaaa	tgaaaaaaca	aacatccta	tacagatgct	cctcaattta	9480
cagtgatgtt	atttctcgat	taacctatca	taaattaaaa	atattgcaaa	tcaaaaatac	9540
acttaaacac	ctaacttatc	aaacactata	gcttaagctt	ttcctaactt	aaaatgctca	9600
gaacactcac	attaacctac	aaatttggac	tcctacattt	gggtaggcta	atgtaagtat	9660
tctgagccct	ttaaggcagg	ctaggctaag	ctatgtttgt	gcatgacaca	aagcccattt	9720
tacaataaag	tgttgaatat	ctcaggtaat	agtattatat	cacatatcaa	tagcccagga	9780
aaagatcaaa	atttaaaatt	ttaagtacaa	tttctactaa	atgggcatca	ctttgacacc	9840
attgtaaagt	caaaaaatca	taagtttggg	atcatctgta	aatgagggca	caattcccac	9900
aagaagattt	cagaatcaga	ttcaagatat	tgtgaggaca	caaaagagga	agttatcaac	9960
tctcagggag	tggaggggaa	aaaacggctt	tatgaaagaa	atgacttttg	ggcagtcctg	10020
gaagataagc	aattgtaaat	aatcagtaga	actgcagtag	gacataagac	gagccatgga	10080
ttagcctaga	caggttacat	agaggtcaga	gctcagagga	gattattggc	cagtccttgt	10140
aaacaacgat	gagtgtctaa	agagtgtcat	gtaagagaaa	gagagaaaca	gtataaaaat	10200
tcataaaagt	cagcctggta	gcagtgtgac	aagcgtactt	aaagaaaaag	acacttgccc	10260
taagtcaaca	aagtttattt	cagaataaga	attatattaa	tatataggca	tctgaattca	10320
atagtatttt	tgccaaaatc	aaggcataat	gtgtaaaaat	gtattcattt	atatcccacg	10380
ttgattgaag	tcatttcttc	taattttcag	gttttagctc	tgccatgca	cgtggatgag	10440
acctagggtc	caatcaagg	ctggcagttc	agaagggtcaa	gtcagaccat	caaccatggt	10500
agctacttca	ttgaccagcc	tcacctagaa	tgagtataac	tgtgaagctt	ttcaattttc	10560
tttattattt	tagccatact	gctatcatta	ggatatttga	cctctccaaa	cttcacgttg	10620
aaatttgatc	cccaatggtg	aacatggggc	ttcatggaag	gtgtttgggt	aatgggggca	10680
gatccctcat	gaatagatta	atccccctc	taggcaggtg	gatggtaagc	gaattctcac	10740
tctattagtt	accaagagag	ctgggttgta	aaaagggctg	ggcctgggtac	ctctctcccc	10800
tctccctctt	gcttcctttc	tcaccatgca	atctctgcac	attccagctc	cccttcacct	10860
tctgccatga	gtggaagcag	cctgagacac	tcaccagatg	cagatggcca	attttaaact	10920
tttttcgaaa	tcagaattgt	gagccaaata	aatatttttt	ctttataaat	tatcagtgtt	10980
ctttactagc	aacacaagtg	aactaagaca	catactgtgt	ttgctttctc	tttcccatcc	11040
cttaatctga	gtagaaatta	taactttgac	aaattcaatc	attaaattta	ctccaaaagg	11100
tggtaaacta	attcaaaact	ttctcctccc	tcacattagg	ccagaattgt	atgatatctc	11160
tggaacatc	ttctcctttc	cactcctttt	agagtaaaca	gagatgaatt	tatgcattgg	11220
ttgcctgtac	gtggatgag	aacatccttg	gcctcagttt	acttcgttca	gatttcatca	11280
gttgctagta	gcttttgctg	atatgtgaat	gttctgtgct	tattaagaaa	ggttattatt	11340
gtggtaacaa	aatctacctt	taaatctagc	gttataaatt	caattatttt	actgttgatc	11400
cctttaaatt	caccatattc	catgaataga	aagtgtctag	gacttgggtcc	tgtgggaatt	11460

p11089.ST25.txt

tcttatttta	agtaaact	gagtgcta	gcattgtcagc	tctcctcttg	ccattttgag	11520
attttcaaga	tcttgctagc	tttgaaagt	gaattgggtg	aaataaaaat	gctgcaatat	11580
taaaaaaatt	taaatctcaa	agacctcaag	acatagttca	agacttttaa	aagttcaagg	11640
gtttgtcaat	aaataataaa	gaatcatttg	ttgctttaac	aaagaacagc	aaaggatgtg	11700
taacataact	ggaacattca	ataatggctc	tatcaaattc	ctaaaataag	cttaaagaaa	11760
cataagatct	acatattaat	atttatgact	gtttctgaaa	aggatatgag	ttaaaatctt	11820
tcccaacagt	tgatattaaa	caaatgttt	gtccaaacaa	aaaaacagaa	atttaattgt	11880
atttttaatt	aaaatgatgt	aactcatatt	atatgccaat	taaaaaataa	aggggaaccac	11940
tgggggattg	gtcatttaaa	aaactgat	atgaggctggg	cgagggtggct	catgcctgta	12000
atcccagcac	tttgggaggc	cgaagtgggc	ggatcacctg	aaggcaggag	tttgagacca	12060
gcctgacca	catggagaaa	ccctgtcttc	tactataaat	acaaaattag	ctgggcgtgg	12120
tggtgcatgc	ctataatccc	agctactcag	gaagactaag	gcaggagaat	cgcttgaacc	12180
tgggaggcag	aggttgtggt	gagccgagat	tgcaccattg	cactccagct	tgggcaagaa	12240
gagtgaatt	ctgcctcaaa	acaaaacaaa	aaactaatat	aggtgatgaa	aattgtggct	12300
gttggtataa	attgttactg	gtcaatgagt	ttactacaga	aacgtgtaca	cacacgtata	12360
caataaatgc	tatatattac	atgaatttga	aaaataatat	gcattatggg	acagcaactt	12420
caacttttca	cagattttta	atgcaaacat	ttgaaaaatg	aaggaagaag	agaatataga	12480
agtggagaag	gagctgggga	aaaaggaaa	gaaggaaatg	agaaatacac	cttggataaa	12540
caaactgata	agttggtgca	ttttgaaaag	agagttggat	agagaactga	accatattgg	12600
taactggaga	tatgactcat	tatttcatgt	aatgatggta	ttaagcacca	actgggctaa	12660
gaatgcatta	aaggaaaaaa	cataggcatt	ggaacacagga	gagctgcgtt	caaactcctg	12720
acctatagtt	aaagctccct	aaggactcac	tttccttatg	tttcaagtaa	gaggagagaa	12780
ggtactcatt	attcttacct	taaaggttta	tgtggggggg	taaatgctaa	gaggcaagaa	12840
acatattgct	tgctacaatt	agtgcataaa	aatattaccc	cttttcttac	tcaatttgag	12900
aggtgctagg	ttcttaacat	ttgtgcattt	tcttgtttgt	tttacctata	ggcagaggaa	12960
aggcaagata	ccatctttag	tcatttaaat	ctatgatttg	gagaaaagat	gttttcaaag	13020
tatccttgct	cattgacttt	gctatactag	acagtatgag	tattagcttg	cagactttat	13080
gagtgtata	ataaaacaga	attctatgca	tctagaagta	taagcagaat	ttttactgag	13140
taatttttaa	actttttttg	ctattgttca	gatcagctta	gtccaaattt	tttaattagt	13200
tattgaggta	gagactaaaa	tgtactttct	cttacattac	atactgaaaa	tattattgca	13260
tgtttgatta	gttaatatgc	atattattaa	ttattgtagg	tagtaagaaa	actgatctaa	13320
aatctttgtt	tactcaacct	gtttatcatg	gtcttaagga	actttttgta	aactgcttta	13380
taattttact	gtcatatatt	cagaatagtc	ttattcaaat	acatccaaaa	cactgagtat	13440

p11089.ST25.txt

atcaataaag	tctttcaaaa	accaggaaaa	aatagtgggt	ttttccaaag	atagaactta	13500
atataagaat	ttctgtaact	gtactgaagg	actgccaaag	gacataatgg	agtaacagaa	13560
agattaataa	attcagaaaag	cagggatctc	ccataaaaaga	agagcaatga	aagatagagg	13620
ttgggggttat	taaaacccaaa	aagcttaaag	ccatacctct	gtagagttgg	cacttatact	13680
tctgaggtga	ggtgctggca	cctcaggggg	catgaggtga	agccttgagg	agcttcagtc	13740
agatgcatga	ggaaggggca	ctgcatggat	ggctgggtgct	ggttactcag	atgctcaggg	13800
gaggagtccc	acattgtttg	gcctcagaga	tctgaggaga	ggatgctgca	ttcgaggtcc	13860
cggaatccct	gaggggagct	tatatggttt	ggctctgtgt	ccccacccaa	atctcatctt	13920
gtagctccca	tagttcccac	gtgttggtgg	agggacctgg	tgggagatag	ttgaatcatg	13980
gggtcgggtc	tttcttgctg	tgctctcatg	atagagagta	agtctcatga	tatctgattg	14040
ttttaaaaat	gggagtttcc	ctgcaaaagc	tctctcccct	tgcttgctgc	catccacata	14100
agacgtgact	tgctcctcct	tgcttctgct	catgattgtg	aggcctcccc	agccatgtgg	14160
aactgtaaat	ccattaaacc	tctttctttt	gtaaattgcc	cagtctcagg	tatgtcttta	14220
tcagcagcat	gaaaatggac	taatacagta	tattggtacc	aggagagtga	ggcactgttg	14280
aaaagatacc	ccaaaatgtg	gaaatgactt	tggaaactggg	taacaggcca	gggttgtaac	14340
actttggagg	gctcagaaga	agacaggaaa	atgtggaaaa	gtttgaattt	agtagagatt	14400
tgttgtaatg	ctttgcccac	aatcctgata	gtaatgtgga	caataaagtg	caggctgagg	14460
tggtctcaga	tgaaaatgag	gaacttgctg	ggaactgaag	caaaggtaac	tcttgttata	14520
ttttatcaaa	gagactgggt	gcattttgcc	ccgccctcga	gatctgtgga	actgggaact	14580
tgagagagat	aattcagggg	atctggcaga	agaagctcct	aagcagcaag	gcattcaaga	14640
tgtgacttgg	gtgctgttaa	aagctttgaa	ttttaaaagg	gaagcagatc	ataaaagttc	14700
agaaaatttg	cagcctgaca	atgtgataga	aaacaaaatc	ccattttctg	agaaattcaa	14760
gctggctgca	gaaagttgca	taagtaacaa	gaaaccgaat	gttaatgccc	aagacaatgg	14820
ggaaagtgtc	tccaggacat	gtcagaggtc	ttcacaacag	tcccttccat	cataggtctg	14880
gaagcctagg	agggaaaaat	ggttttgtcg	gccaggccca	gagtccttgt	gctgttgtag	14940
gctagggaca	tagtgcccta	catcccagct	gctccagcca	tggctgaaag	aggccaatgt	15000
agagcttggg	tcatggcttc	agaggggtgca	agccccaagc	cttggcagct	tccacatggg	15060
gttgagattg	caagtgcaca	gaagtcagga	agattgaggt	ttaggaacct	ctgccaagat	15120
ttcagaggat	gtaaggaaaag	gcctggatgc	ccaggcagaa	gttttctgca	ggggtggggc	15180
cctcatggag	aacctctgct	agggcagtcg	agaagagaaa	tgtgggggtg	gagccccata	15240
cagagtcctt	actggggcac	ctcctagtgg	aactgtgaga	agaggaccac	tgtcctccag	15300
aaccacagaat	ggtaggtcca	ccgacggctt	gcaccatgtg	cctggaaaag	ctgcagacac	15360
tcagtgccag	cccatgaaaag	cagccaggaa	ggaggctgta	ccctgcaaag	ccacaggggc	15420
gaagctgccc	aagactgtgg	gaacctacct	tgtgtgtcag	agttacctag	atgtgagaca	15480

p11089.ST25.txt

tgagagcaaa	ggagatcatt	ttggagcttt	aagatttgac	tgccccactg	gatttcagac	15540
ttgcatgggg	cctgtagctc	ctttgttttg	gccaatgtgt	cccatgttga	atggctatat	15600
ttactcaatg	cctgtacctc	cattgtatct	aggaagtaac	taacttgctt	ttgattttat	15660
cataggtggt	atcataggtg	gaagggactt	gccttatttc	agatgatact	ttagactgtg	15720
gacttttgaa	ttaatgctga	aatgagttaa	gactttgggg	gactgagaaa	acatgggttg	15780
ttttgaaatg	tgaagacatg	agatttgggg	ggggccaggg	gtagaatgat	atgggttgtc	15840
gctgtgtccc	cacccaaatt	ttatcttgta	tctcccataa	ttcccacgtg	ttgtgggagg	15900
gacctgatgg	gagataattc	aatcatggga	gtgggtcttt	cctgtgctgt	ctctcatgat	15960
attgaataag	tttcatgaga	tctgatgggt	ttaaaaatgg	gagtttccct	gcacaagctc	16020
tctcttcttg	cctgttgcca	tccatgacat	gctcctcctt	gccttccacc	atgattgtgt	16080
ggcctcccca	gccatgtgga	actgtaagtc	cattaaactt	cttgcttttg	taaattgccc	16140
tatctcagct	atgtctttat	cagcagcatt	agaaaagatt	aacacaagag	caataagaat	16200
gtttctggac	atgtagaaag	aagttaaagg	ctggaaccaa	ttgtgtgcac	tggaacaaag	16260
gaagatggct	ggagtgcggg	tgccactaac	agtaacaatt	atcaaataag	aaggatcaaa	16320
cgccttttct	cccgctttt	actgtcttct	aaagtcatta	attggcagaa	tatcatagaa	16380
agccagatgg	tacaggaaca	taatttgtag	accttagccc	cagtgccaga	gagaaagggg	16440
aaaaaaatag	acttaaagag	caatggcttt	gtaactagca	tactgacatt	ttgtaagttt	16500
agaaaactct	tattttatca	gttttgttct	gcaaattcac	ttatttagtt	attaacatgt	16560
gttggttttg	tgataatcca	tcaaaaagaa	ctgagtatct	ggtgtttatg	gaaagcaaac	16620
taatatctga	gtataatttt	catttcaatg	ttaaatgtct	ttatttaa	acagagaaca	16680
gtcgactatc	atcatcattt	caactgatta	tccaactatg	acatctagtt	gtaaaacaga	16740
aattaattct	cagaagttat	tactttctat	caaaccttaa	atattcatca	ataagataca	16800
tcttttctag	gaccctataa	aatgattaat	aaatttatta	ttattattta	ctgtacaaat	16860
attctgctgt	tatttattaa	aacagaagta	ttccatatcc	tgaatcagta	caatgttaat	16920
ctcctctgtt	tactatgtcc	atggaaaaat	gtgccagtga	tttgattagg	accataaata	16980
tttggttttg	tattcagagt	cccttcatgt	tgtcaaaatc	cttactgcct	gtataatcat	17040
gtttattcct	tgtgattttg	ttcgtttttt	tttggttttg	agacagaacc	ttgcgctgtc	17100
acccaagctc	ctggagtgca	gcggcatgat	cactactcac	tgcagcctcg	acctcacatg	17160
ttcaagtgat	cttccccctt	cagaccccca	agtagctggg	actacaggtg	catgccacca	17220
agcccagcta	attttttaaat	tttttgtaga	tacaggatct	ccctttgttg	cccagacagg	17280
tctcaaattc	ctaggcccaa	gaattcctcc	cacctcagcc	ttccaaagtg	ctgagattac	17340
agggcatgaga	caacatgccc	agccctggca	ttcaatttca	gcatctataa	aactgtattt	17400
attttaaggt	tcctcttgaa	tcacaattta	tccactgagt	atacatatca	ggacacaaaa	17460

p11089.ST25.txt

cacactctat	cacaactgga	aggacaggaa	atttgaggaa	tatagtataa	aactaatgta	17520
gtaacaagag	tagcctaatt	tttcccaaag	ggtccatgaa	ttcacaccct	actggacagc	17580
tgctctcaag	ttttcatttt	tttcacagag	tgttcaataa	ttctgtcatt	gaaaagtgtt	17640
tctgccagga	ttgatgggtg	gaaataaaat	ttatgggagc	cattgctttg	gactgagatc	17700
ttgcactagg	cccaagggac	cagacaaaaa	tagtgactca	tgttacagtc	ccacattatc	17760
aagccaaaac	taagttgttt	gtctgacctt	cctagaaatc	aagagagtaa	gagacaatag	17820
ccaatccct	agaggagcca	gttttagcta	gcatgataag	gaagtcccct	ctgctttaac	17880
ttttataagg	aaagaacctt	tgaaataaga	aatctacttt	ttgctctctg	tttctgcttt	17940
ccttggcctt	ttactgtata	taaaaccaa	ctcctctgct	cagcttatca	aaaaactcat	18000
tatattatat	agaatgaagt	gtagcctgat	tctagaatta	cagataaaaag	ccaattaaga	18060
cctttaaata	agttgtaatt	ttgtcttttg	gcaacagttt	ctgaactgag	tctgggaaat	18120
aaataatcca	acaaccaggt	aaaaggaata	gagaaagatg	agtgaattcc	ttaaagctgt	18180
cttttctcat	tctggtaagt	tccttcactc	tactaaaata	aataattcta	ccacctggat	18240
aaatttggtt	ccttaatgga	aaaataatat	catcagtaaa	agtggaaact	ctgggtaaga	18300
aaacggaaat	aattaaaatg	cctaaaccaa	ctttattgtc	attaaaatat	caaacagatg	18360
aactagaatg	attcaataag	atttcaaatc	aactgttagc	agtcttttca	tgtagaaaga	18420
agtctgcatt	taggaagccg	ttgaaagaaa	ttgctaagct	ctaaggacag	gtcctgtcca	18480
gaccaaagca	ggcccctagc	cctaacaggg	atcccttggg	taaggagacc	atttgctgca	18540
ataagaaaaa	atgacatcaa	aggagaggct	gagtgttatg	atctgaagat	cagcaggtga	18600
ggaatctctt	gggaatctcc	tggatgcttg	ctctggacac	aaggcaggca	ctggagatgt	18660
aaagaaatgt	gtggccctca	attgttcaac	aaatagccat	cagttcaaac	tgaatatgta	18720
ataacgcatc	ggtctgcaat	cagaatttca	aagcccagag	aaatacatTT	aaaagatcaa	18780
tccttttagaa	tatagcaata	ttctttattg	tctatgccct	gttttagcaat	caaccttcca	18840
cattttctac	tgagttttct	agacagctta	gaatgaaagt	cctacagggg	aagaagttca	18900
agagttaatg	gatgcttttg	ttcttccagt	tggttctaata	aagagtggta	aaatacaaca	18960
gcatattctt	tataatttga	ttttaatcca	attttgtaca	ttctcagacc	taaacattgt	19020
ttaccacact	aattatTTTT	gaagttaacc	ttccctcaat	acccttttta	aagagtgagt	19080
gctgaaatta	taacagccat	atgatattga	tgaggctgct	tttagagcct	caaattcaac	19140
tccagaaatt	tatttttagt	tgtgcatatt	tattgtaaaa	tatttgtagt	gccagcttat	19200
gttttctatg	tccagatttt	gttctccacc	ttctgaagcc	cacagagtgt	gaaacaagca	19260
tttacaatgg	agatgatggg	gctaatttta	tgtattttat	ttcctggcat	atttgattgc	19320
aatagagtag	acaaaaggat	ggattagtag	ctatgatctc	tctctctctc	tctctctctt	19380
tctctctctc	tctctctctc	tatatatata	tatatacaca	cacacacaca	cacacacgga	19440
aggcatcaga	tatctcatgt	gtgtatacac	atacatatat	ataggatata	atgatttatg	19500

p11089.ST25.txt

tgatatatat	gtgaggtaag	tcttcatgtc	ttccataggt	atagtaccag	ttggttaatc	19560
ttgggccagt	catgtagctt	ctacaaactt	taggctttct	ggacaaagca	gtatataatg	19620
ttcattatgt	agctatgcca	aaacaaaggt	caaaataaag	aaagattcta	cctagagcaa	19680
aagagaattt	atatatataa	atatttatatg	caaattatat	acagctttat	atacaaatat	19740
aaatatcacc	ctgatgtagt	agtttgctag	gattgccata	acaaaatgct	acagactgtg	19800
tggttaaaca	acagaaattt	atatttctacc	aattctgaaa	gctagaagtc	tgagatcaat	19860
gtatcagcgg	ggttggtttc	ttctaaggcc	tctctccttg	gcttgcagat	ggctgtcttc	19920
ttccagtgtc	tttatattgt	cttctgtgtg	tgtgtgtcag	tgttctaatac	tgctcttctt	19980
ataaaaaatat	cagtcagatt	agggttcact	ccaaggtaag	aactgaagag	catgctcttt	20040
tctttgatgg	ggacaagtga	ctctatctag	acataagtct	ttggagagca	gtctctcaga	20100
tgctgaccct	ctctacaatg	gagagagcgc	atggcatggc	ctgctaagct	acttctctgc	20160
cattctgcta	ggcaggtttc	aggccctgac	aatataagac	gtgagcctct	actcatcttt	20220
ggataagtct	ctctgcatta	ttgcaaatac	aagaagcatt	ttgtagctgt	gtagtaaaga	20280
gaggagaaca	cttgcaatat	tctcagtcaa	gattctcaac	tccctgaaga	aaaacagtgt	20340
attttacata	aattcatgct	gttataatta	cattatataa	aaagattatt	aaccaaatat	20400
tgtacatatg	aaaacagagt	tgaaagctct	tcaactattt	caactgatga	ctcccaagat	20460
ggacctgact	gtactgatat	aatctgatgg	atttttat	gaagctattc	taacagaact	20520
atattttatg	gtatggaaac	gaagagaatt	gttttaggga	agagcatgtt	taatgttttc	20580
aaatattttt	gtctctgact	taaattttgg	cttttctagt	ttgtttcaaa	ttttcacact	20640
tgggtcaatt	ctcttttgct	ctaggtagtt	ttttttttta	tcttgacttt	gttttggtgt	20700
atttctgcct	gactggaaaa	gtttttgtaa	ccccactttc	ttttcatccg	attagtagct	20760
cttctgtgtc	catagataaa	tatatccttt	acttctgtga	gcattatttt	ggtatatgta	20820
tttttgttcc	agttaggaaa	agagcagcaa	aatgattttc	tttcttgttt	tcttcctaaa	20880
acttgattta	gaagctaagt	gggagcagcc	ctttcacaca	ccatcatggg	agttatttac	20940
gtgcattagc	gcgattcatt	ttcacaaatt	tatgagatgg	ttaaagttaa	ctttcatttc	21000
ttaaagagag	agaacaagtg	gagaaaaagt	tcaactgcag	aggcttgaga	ttgtattgtg	21060
tgttgcttaa	gaagaaatat	ggagtcaaag	tgccctcatca	tttaccagtt	gtgtgacata	21120
tcacaaaaag	agggagtgtg	accagccaaa	aatttaactt	ggacaattgg	attggtaaaa	21180
actttttatg	ggatatgcag	gaatacagtt	cttaaaat	tataagatgg	cataaaat	21240
atttctttga	taaatgat	tttcttaaga	tatctttcta	gaaatggaat	tgctgagtca	21300
agatgcatat	tgagggattt	tgatacatat	ttttaaatta	ccttttagaa	aaggtaattt	21360
ttagtaggaa	agtagaagtt	tatctcctat	tgctaggcat	actgattttt	ttctttttct	21420
tatctgcatt	taatcacttt	tctttaatga	gcataata	cttgataaac	agaaaaataa	21480

p11089.ST25.txt

ggatgattat	atttgggaag	tgtcatgtca	gattgtcctg	tccagtttga	aatccacttt	21540
gactttttaat	ctaccttgag	atgttatatt	agctccctac	aggttaaggg	cataatccaa	21600
gatgattaag	gagattgaat	tctcatttaa	ttgattgttg	ccacagacac	ttacacagag	21660
ataaagtcac	taaacacatg	tctctttttac	atttgaaaag	acatggcaaa	taatttttact	21720
gctttcttta	gtatacataa	tgtcataata	ttgtgagtgt	gcatgtgtat	accatttctgt	21780
ctatatctta	atgatctaga	atgtatatgc	tactttctta	catgcaaagt	agctgtacat	21840
atttgagtaa	tattggtgac	ttttttatat	aaatcaattt	ttccttttga	tgattacatt	21900
atacgaagat	gtttgaatgc	tgttttttct	ttgttatgtg	tatgcttata	tctgtgaaac	21960
atctagctag	atgtcctgca	ggaatcagtt	ttacatatgt	aaacaggcat	atttctgcac	22020
tctaaatttt	gataattaaa	ataattcgta	actttattat	tcaactctca	agtgtttaat	22080
agccattact	aacaaaaatt	tctctttgtg	gctaactctga	ttacttggaa	tctttttttat	22140
tgtgacccaa	aaaagcaacc	ctgcacatac	aactttaact	tcaatatatt	aatgacgaaa	22200
tttaaggata	atttaaatag	aatggactc	agaaaagaat	cagtaagact	tagtgaagga	22260
tcattgtcta	ttatagagaa	gttgatttaa	gattaactta	ttagtaatat	ttaacatata	22320
taaagaatta	ttagactggg	tatatagaca	agcgttttat	tcttggaaga	caaaaagaag	22380
aaaaattgaa	ttcaaccgat	gtatacgaaa	ataaaaagta	acagtaaatt	aaaaatagat	22440
aattaaataa	atatatgata	cagtataacg	ttttatagcc	aagatgatgt	tacaaatcca	22500
tattttattga	catggatatg	tttttatact	aaagtgttta	tcaaatagcc	attaagagat	22560
aacttctttg	aataatttgc	tttctaaatt	tcttaactac	ataaatttcc	agctttatat	22620
ggaacaccaa	gttttcaaac	cattagtgat	gtgcttttta	tatggtgtta	aaaagtttct	22680
ttctttcttt	tttctttttc	cccgaagatg	gagtcttgct	ctgtcgccca	ggctggagcg	22740
cagtagtgcg	atctcggctc	agtgaacaa	ccacctcctg	ggtacaagca	attctcctgc	22800
ctcagcccc	caagtagctg	ggattacagg	cacctgccac	cacgtccagc	tgatttttgt	22860
atttttagta	gagacggggt	tttaccatct	tggccaggct	ggtctctaac	tcctgacctc	22920
aggtaatctg	cccacctcag	cctcccaaag	tgttgagatt	acaggcgtga	gccaccatgc	22980
ccgacctaaa	aagtttctta	aacgtcactt	tatactctca	aattatctag	aaaggaaaac	23040
gtattagatt	cctggatatt	ttggatattg	taaggaacat	acttatttgc	tgtatatact	23100
ctgtttgtaa	cagtattgta	acttcagttc	aaaacaatac	acaaaacatt	acaagttccc	23160
gtgatatttt	aaaaattcat	ttattttctt	cctttctgaa	tacaaatgct	gttcagtctg	23220
ttgattcttc	actaatctga	aatattaggg	actgatttct	gaattggata	ttcattctga	23280
agcctttcag	agccactggc	acaaagggtc	tgtcaaactt	ggaacaccat	ttgttgatc	23340
attttatttc	tttctcttgg	caaatccaca	taattcatac	aggactatgc	cagtgtcttt	23400
tgaaagaaac	aaggtttaag	aaagtaaaaa	tgtaataaaa	gatagtgaat	gttaattctg	23460
tcattgttac	tgtatttctt	caagctgtgg	ctgcaaactg	ctttgagtga	tgttattgta	23520

p11089.ST25.txt

actcgcacat	tagggagaga	aagagatggt	tggtagatgtt	ttaattaatg	atccctatca	23580
atgctccttg	agctttccca	ctctatctct	ccacaacttc	catccctggt	tggaaatttt	23640
ttgcttacct	atactaagt	agagttattg	atgggaaggc	atcagatatc	tcacgtgtgt	23700
tgctggtggg	atgggagact	gtggaggatg	ggaacagggt	gaaatctact	gcaatggaaa	23760
aaaaaaaaag	catgtcctag	gacacccaaa	acatggaggc	tagataataa	caatagctac	23820
ttgtactgag	agcttccact	ctgcctggct	ctttgctatg	agccacatta	ttcatttcctt	23880
acaacaatca	aacaagacaa	gtaaaatatc	atgcccattt	tttaatgaga	aaactagaga	23940
ttagagaggt	tatagatact	tgctctgagt	cactagtaat	gagtagtaga	gctttaataa	24000
gtccctgaat	ttaggttgta	tctagtacat	ttactcttag	aagtctatca	tgctcaccag	24060
agttgcagag	ttgcgtgtat	ttcttgggct	cattaatgtg	tttttttctt	tctaaaacta	24120
aagtcatttg	aacttgtag	attttgaaat	atttaaatat	cttttctatc	tggctttaac	24180
atctttaatc	ttggaatctt	gcatgccttc	atattcttag	gaccacgaaa	ccacaggaat	24240
atttaaaatg	atatctagt	gaaacaatat	gaagttggcc	atggggtcaa	attagagaat	24300
ctgaatacta	tgcttctcct	tgattgctct	tcccatttct	tcagagtaac	cctattcccc	24360
catctcatgc	tcacccccct	tccaaaatca	tacataatga	tctcccaaca	ggatgcatta	24420
ggcttttctt	actctacca	ctatgaaatt	acacaagaag	cctatcgcaa	tctcactacc	24480
tcgtctctct	cacaggttta	cagaagggtga	gaggaagggt	cagatagaga	ataagaagca	24540
ggtggctcca	gcatcaacat	tacatcaccc	cttgtgttca	caacaaatat	ggaatattat	24600
ccaaagataa	taaacgttgt	attttcttaa	cttaaacaca	ttaaatcagt	cctctcttta	24660
atcacttggt	aatgggcagc	atctttatgt	tcatgccatt	ctactctgct	gtcttttgcta	24720
tagcacaagt	ttaccacata	ccatacctaa	aaattcagtt	gttctatggg	ggtaaacaaa	24780
gtctagggtta	agcatatat	tcatagaatg	ttaatctata	gcaaaattaa	tgaattaaat	24840
ccagataaaa	gaatcctatt	atgggtctggt	aaaatattta	tatttcactt	agcaaagaga	24900
aaacaaaaca	tgaatattgt	agttatgaac	agaatatgca	tgtagtaaat	gcttccaaat	24960
atgttattac	ttcataactt	catatttctt	atgagggtaca	agccattcaa	ttagttaaac	25020
gttatattca	gagaggctaa	agatttactg	aagaccatgc	tgtccatcaa	taatgaaaag	25080
aaaaattaaa	aaaactttat	tttaacttct	agttcccttc	tttgtacttg	agcagctttc	25140
cctccttaag	aatacagacc	tagaacatat	gcaatatcac	tatcaatatt	atgtgtaatt	25200
aaaagttcat	tggatgttta	ctgtgttcaa	ggcattttta	ggagtgacaa	gagttaaaca	25260
tatagttgta	attcaaaaatg	acaacgaaat	tagttttacag	ttttcttttt	ttgtaggtag	25320
taagaaatca	tctcccccta	ttgaggaata	ccaatataga	aaaggcaaaa	ctttaaatat	25380
gaatgaactg	tttcataata	acataagttc	ttcttgattt	ccattgtcac	atccaaattt	25440
gaaggctatt	tctaacacag	ctgggttcta	cctttttcct	tctcactctt	taccacaccc	25500

p11089.ST25.txt

aatctgtgag	gcttcagaca	caaactgcta	attcaggaga	caattgtgcc	ttctgtaaca	25560
gtttctgcta	aattgtctca	gctctgccac	ttaaaatagc	taggtgatct	cagcatatca	25620
ccaaaactct	tggagctcag	tttctctgtc	tataaaagtt	acataaaatg	taattgatct	25680
gcttgttatg	actaaataac	atagtacatt	agtcctttgc	caaaggacta	acaaattacc	25740
aaataaaaag	ttggaatcat	gttaaacggt	tataagaagt	acaactgtcc	agaaaataatt	25800
ctctcacatt	ggctctgttg	aatgagacct	aaaatatctc	attttattta	cctctttgac	25860
ttaaagcact	aggtctcaag	gaggtcatgg	ttatactata	aatatgtcat	gtgaaataat	25920
atattaaata	attggtgtaa	tactctattg	agatactagt	tgtaaagagg	cacaatggaa	25980
aacttatact	attaacagta	gtaaaaagaa	acaacaaaaa	gcaataaaaa	acaaaacacc	26040
cattcatgca	acgacatgaa	cgaacctcac	aaatattata	ctgagtaaaa	gaagtcagac	26100
aaatataaaa	caaagtttat	actacgtgat	tagatcttta	tgacattcta	gaatatgcac	26160
atgaagggtac	aaggtaactg	tctggaatga	tgaaaatgtc	ctgtgtcttc	aaaatagtgt	26220
gggttacact	aatgcatggc	tttttcaaaa	ctgattttaa	gggacacaac	atctgagcat	26280
ttccctaggt	gtaaattaca	ctgcaatttt	aaagaatcat	ctaattgat	tgtgggttatt	26340
tttaaacagt	ccttaaattt	tgtggatgca	tactgaatgt	ttacagcgga	aaagatatat	26400
ataaagcttg	aatttggtaa	aaaaaaaaaa	aagagggagg	attggtagtg	ataaagttag	26460
tggacttatg	gatgagacat	gatcagccat	gcattgaaaa	aatgtaaaag	ttggatgata	26520
ttcacatgag	agtcctttat	tctgtctact	tttgcatatg	tttgaatatt	tcccataaca	26580
aaaagttgaa	aatagagtga	tcacatgagt	taatctccta	atttacaaaa	aagaaaactg	26640
gaaacagaag	gagaacaaaa	cttgttcaag	gtctcaaagc	cagacagcaa	actagctccc	26700
aagtcacaac	ttcttgctcc	ggctctaagc	aaacaaaaaa	tattaatatg	agctactgca	26760
ttaaggaaaag	tctgcttttc	caaagggcag	accaatagtt	caaggaagag	tttaaataat	26820
aaatatattg	gatcttactt	tcattgctttt	ctattttcca	ctgaacacat	atgcattatc	26880
ttctatatgt	cttttatgta	taatcatttg	cttcctgttc	cttggtggtt	taaagttggt	26940
ttgtatgttt	aaatttgatt	ttactcaa	ttcagaaccc	aaattagcgc	aagaatcaga	27000
caaagcataa	ctttctataa	atataaaaa	aattaaaaaa	aaaacataca	gcaaaaacga	27060
gttggtggtt	ccccctcct	cttcagtg	ttaactaatc	ttccgaatcc	aggcacagaa	27120
agcaaaggct	ttctgctagt	gggaggagct	tgcttctcca	ttctggtgtg	atccagggaac	27180
agctgtcttc	cagctctgaa	agaggtgaaa	atgtgttaag	cgatgcaaaa	attgtcttga	27240
agttcgcggtg	tgtatgtctg	tgtgcatgtg	cgtgtggtgg	gtggggggag	agaaaagggg	27300
gtgtcaattc	tgagggcaac	gagaatcaga	agtcagaaag	gtgagtgggtg	tgtagcatct	27360
ccctttcaga	aggggctgaa	gaagaaattg	gatatgatgg	tccggtaggc	taaatcacgc	27420
tggatttgct	tcccagataa	agggaggtct	gcaaagtaag	tcccatttct	agagcgaaaa	27480
gccttaggac	cgcttggttt	agacggctgg	ggaatattta	ttccttggtc	cactgatggg	27540

p11089.ST25.txt

aaaatcagcg	tctggcagga	gctgattggt	ggaaaggaaa	atggtgatag	tggcgtggaa	27600
agaggatttg	ctgagccttc	tcctgcctcc	tcaacctgtg	actcttcctt	agtagtctcc	27660
ctttcacctt	caggaccctt	tccggctctt	cctagattaa	gagcaaacga	aaaccttgaa	27720
gatatttgaa	ctaaagcgac	ccctaacgtt	gtaacctgtg	accgtgatta	aatttcagcg	27780
atgcgagggc	aaagcgctct	cggcgggtgcg	gtgtgagcca	cctcccggcg	ctgcctgtct	27840
cctccagcag	ctccccaagg	gataggctct	gcccttggtg	gtcgaccctc	aggccctcgg	27900
ctctcccagg	gcgactctga	cgaggggtag	gggggtggtcc	ccgggaggac	ccagaggaaa	27960
ggcggggaca	agaaggagg	ggaaggggaa	agaggaagag	gcatcatccc	tagcccaacc	28020
gctcccgatc	tccacaagag	tgctcgtgac	cctaaactta	acgtgaggcg	caaaagcgcc	28080
cccactttcc	cgccttgcg	ggccaggcag	gcggctggag	ttgatggctc	accccgcgcc	28140
ccctgcccc	tccccatccg	agatagggac	gaggagcacg	ctgcagggaa	agcagcgagc	28200
gccgggagag	gggcgggcag	aagcgctgac	aaatcagcgg	tgggggcgga	gagccgagga	28260
gaaggagaag	gaggaggact	aggaggagga	ggacggcgac	gaccagaagg	ggcccaagag	28320
agggggcgag	cgaccgagcg	ccgcgacgcg	gaagtgaggt	gcgtgcgggc	tgacgcgcag	28380
accccgcccc	ggccccctccg	agagcgtcct	gggcgctccc	tcacgccttg	ccttcaagcc	28440
ttctgccttt	ccaccctcgt	gagcggagaa	ctgggagtg	ccattcgacg	acagggttagc	28500
gggtttgcct	cccactcccc	cagcctcgcg	tcgccggctc	acagcggcct	cctctgggga	28560
cagtcccccc	cgggtgccgc	ctccgccctt	cctgtgcgct	ccttttcctt	cttctttcct	28620
attaaatatt	atttggaat	tgtttaaat	ttttttttt	aaaaagagag	aggcggggag	28680
gagtcggagt	tgtggagaag	cagagggact	caggtaagta	cctgtggatc	taaacgggcg	28740
tctttgaaa	tcctggagaa	caccgggttg	gagacgaatg	gtcgtgggca	ccgggagggg	28800
gtggtgctgc	catgaggacc	cgctgggcca	ggtctctggg	aggtgagtac	ttgtcccttt	28860
ggggagccta	atgaaagaga	cttgacctg	ctttcgtcct	gcttctgata	ttcccttctc	28920
cacaagggct	gagagattag	gctgcttctc	cgggatccgc	ttttcccccg	gaaacgcgag	28980
gatgctccat	ggagcgtgag	catccaactt	ttctctcaca	taaaatctgt	ctgcccgtc	29040
tcttggtttt	tctctgtaaa	gtaagcaagc	tgcgtttggc	aaataatgaa	atggaagtgc	29100
agggaggcca	agtcaacagg	tggtaacggg	ttaacaagt	ctggcgcggg	gtccgctagg	29160
gtggaggctg	agaacgcccc	ctcgggtggc	tggcgcgggg	ttggagacgg	cccgcgagt	29220
tgagcggcgc	ctgctcaggg	tagatagctg	agggcggggg	tggatgttgg	atggattaga	29280
accatcacac	ttgggccccg	tgtttgctg	aggttgaacc	acaccccgag	tgagcagtta	29340
gttctgttgc	ctacgccttt	ccaccatcaa	cctgttagcc	ttcttctggg	attcatgtta	29400
aggatacccc	tgaccctaag	cctccagctt	ccatgcttct	aactcatact	gttacccttt	29460
agaccccggg	aatttaaaaa	aggggttaat	cttttcatgc	aactccactt	ctgaaatgca	29520

p11089.ST25.txt

gtaataacaa	ctcagaggat	tcatccta	ccgtggttag	gtggctagac	ttttactagc	29580
caagatggat	gggagatgct	aaatTTTTaa	tgccagagct	aaaaatgtct	gctttgtcca	29640
atggTTaaat	gagtgtacac	ttaaaagagt	ctcacacttt	ggaggggtttc	tcattgatttt	29700
tcagtgtttt	ttgtttattt	ttccccgaaa	gttctcattc	aaagtgtatt	ttatgttttc	29760
cagtgtggtg	taaaggaatt	cattagccat	ggatgtattc	atgaaaggac	tttcaaaggc	29820
caaggagggg	gttgtggctg	ctgctgagaa	aaccaaacag	ggtgtggcag	aagcagcagg	29880
aaagacaaaa	gaggggtgtt	tctatgtagg	taggtaaacc	ccaaatgtca	gtttggtgct	29940
tgttcatgag	tgatgggtta	ggataatcaa	tactctaaat	gctggtagtt	ctctctcttg	30000
attcattttt	gcatcattgc	ttgtcaaaaa	ggtggactga	gtcagaggta	tgtgtaggta	30060
ggtgaatgtg	aacgtgtgta	tttgagctaa	tagtaaaaaa	tgcgactgtt	tgctttttcca	30120
gattttta	tttggccta	tatttatgac	tttttaaaaa	tgaatgtttc	tgtacctaca	30180
taattgtatt	tcagagaaca	gttttaaaaa	ctcatagtct	tttaaaaaat	aatcaagaat	30240
attcttaaga	atcaaaatca	ttgatggatc	tgtgatttct	tttaccatca	tgaaaaatgt	30300
ttgtcaattt	taatccattc	tgatttttaa	aatatgactt	tgatatgccc	ctgtgatgtg	30360
tataaagaga	cctatttgtg	gccctaaaat	ggaaagaaca	gattagtctt	tgataaagtt	30420
acttcatgtg	atcatttgg	ctctgtgaac	actgaggaca	gagaaaagtg	cttgagggct	30480
gctactaatc	tctcagaaac	atttgtatag	ttcatccatc	aatgacaca	catactaaaa	30540
gaataaagaa	attgatgctt	attacctact	tgttccta	gttccacctt	ggggtataca	30600
cccaaactct	gactctcttt	tctgtaactt	gaactgtatt	caattgagtg	ttattttaca	30660
aaccactctg	aattccttgg	aaaagaatag	acacacactc	tcatccacag	gcatagacac	30720
acacactcaa	cacagacaca	ttgccattc	ttcctctctt	ctttctcttc	tgagcttttt	30780
cacattctct	ggtggcaact	atagcagtaa	gagtcacagg	atgaacagtc	agggtggagga	30840
tgaccacatt	gagttgccta	gctgaaacat	gtgctctgtc	tatgtctgca	aagtgaagaa	30900
aagctacact	atctcttcaa	catagatcag	tgggggaaat	tttatacttg	ggatgattta	30960
tatgaatgca	tctcatcaaa	gttcacaaca	catttttttt	ttcagttttt	tatttttcagt	31020
tttttagagtc	agggccttgc	tctgtcgccc	aggctggact	gcagtgatgc	tatcatagct	31080
cactgcatcc	ttgaattcct	gggctcaagt	catgccccca	cctcagcctc	ctgagtagcc	31140
aggattatag	gcatgtgcca	ctgcctcatt	atttagactt	ttcttatgtt	gacttaatct	31200
ttccacaaat	cttcaattaa	attacttttt	ttctacctta	aaacatattt	tcagaaagtc	31260
attgaaatag	ggtgttaca	gaggaaaaaa	ttgatgagtt	aatttttaa	attttatgaa	31320
gtgtgaatta	taccttttta	gatggaattt	ggaatactga	atcagtgaca	tgagttttat	31380
cagtatcttt	ccgtttgtcc	tcagatttcc	aagtcttgca	agcacaagtt	gctttgactt	31440
agttaccttt	taactgttca	ttgaaatcat	tttcaatgtc	tctcatggca	tttaacacat	31500
agcacattct	ataaattatt	tattgggttac	attctgagtt	ctaattgaga	gttgaactta	31560

p11089.ST25.txt

cacacagaat	ttaagataaa	aatgaccat	gtgaagacac	aatagtatag	tccagggatt	31620
ggcaaaattt	tgggtaagga	atcagatagc	acgtatttta	agccatgaga	tctatgtctt	31680
ggccaggtgc	cgtggctcag	gtctttaatc	ccagcacttt	gagagcccga	ggctggtgga	31740
tcacttgagc	ccaggggttt	gagaccagcc	tggggccacag	ggtgaaaccc	tgtgtctaca	31800
aacaacgcaa	aaattagccg	ggtatggtag	catgcacgtg	tattgccagc	tacccaggag	31860
gctgaggtag	gaggatggct	tgagccatac	agctcactgc	agaggttgca	gtgagccgag	31920
atcgagccac	tgactccag	cctgggtggc	agagtgtata	cctgtctaaa	aaaaaaaaaa	31980
aaaaaaaaaat	ctatgtctca	attctgtctg	tgaagtgtga	aggtagtcac	aaacaataac	32040
tagtgtggct	gtgttccaat	aaaacttcat	ttatcaaaac	aggtggtggg	ctggaattgt	32100
cttgatgtt	gtagcttgct	gactactgat	agagtggaaa	gaacatgcac	taatcacaca	32160
aaccaaagtt	ttagttgaga	ctacatcact	tatcaccttt	agggctcttg	ggaagcgtac	32220
ttaacatctc	tgagcatcac	ttccctgatt	agtaaaaaat	atgatttaga	aaacttcaac	32280
taccttgagc	tttttgtgag	aatgtcataa	taagacagga	catatgaata	attgagcaca	32340
cttttatata	taggaacccat	ggttattatt	atcaaataaa	ctctccaacg	gaataattac	32400
tttgccaaca	cgttttccat	ttattctttt	atccttcatt	acataactag	tttgaaaggt	32460
tggaggcgac	caaagacccat	tttataattt	cacttatggc	cgaagatgtt	tggtagaagc	32520
ctcataagaa	aagtaatctc	attcctttat	aagaatatac	ttttaacaac	tactttttta	32580
ctcattgaat	aactacctta	atgatcagtg	ttatttttat	gggttttggt	ccctccattt	32640
ttgttatctg	catacaccaa	ttttcaatca	acatacttca	atttaataga	caaaaatttc	32700
ttcaaagac	tcagaaatta	attagatcta	aatccaaaag	cagaaagatt	taattatctt	32760
tatataatgc	tcagtaatat	aatgcaata	aatacaagaa	aatgatgatc	tttgagtgtc	32820
ttccaatgcc	actctgctca	ataagcagca	gtggccatca	gtgaaattga	tagcaaattc	32880
tcaagtcaaa	atgtgcttca	cctcactaag	ctgacaaagt	caacataaca	tgacacacag	32940
ggataactga	gttctcaaaa	ctctcaggta	ttacttctga	ccttcttctc	cactctgtgc	33000
tcttttgagg	ttgggaagac	aagatagggt	gtgtgtggga	cacctccgct	caggggaagcc	33060
atcagctctg	gtgtccctac	agcatttata	ccttgctagt	cacataacca	cttggcacct	33120
attttgtagg	tgtatgttat	caattacaga	ttactcataa	attaaaggct	aaccatcaat	33180
tacagattat	tagtaaataa	ttatgacctc	aaagaacaac	tgattgggtt	gatacatggt	33240
aaccttatga	ggactctcat	ttatctcggt	tttttaagtt	atataacctat	ctctttgggg	33300
ttgcactaca	aaaatataaa	atatgttgca	taagatatatt	ataaaaaata	attaattata	33360
agttctagtg	gtgtgggtta	gtggcattct	tttttttttc	tttttttctg	agataggggtc	33420
tcaatctgtc	acttcaactc	aggctgaagt	gcagtgggtg	gatctcggct	cactgcaacc	33480
tccgcctcct	gggttcaagt	tattctcctg	actcagcctc	ctgagtagct	gaaattacag	33540

p11089.ST25.txt

gcacgcacca	ccatgcccgg	ctaatttttg	tatttttagt	agagatgggg	tttcaccatg	33600
ttagccagga	tggctctgaa	ctcctgatct	catcatcctc	cgacctcggc	ctcccaaat	33660
gctgggatta	caggcgtgag	ccattgcacc	cggcctagtg	gcattctttt	ttaaaaaataa	33720
atttaattgt	gtatatntag	ggtatgcaac	atgatgctat	cagatacatt	agacactaaa	33780
aaattactat	attgaagcaa	attaatatat	tcataatctc	tcatagttac	cttttttggt	33840
gtttttgtgg	caagggcagc	taaaatccac	ttatttatca	tgaatctcaa	atatagtaca	33900
attttatcac	ctacagtcct	catacattag	atctgtacac	ttgttcatct	tacacatctg	33960
ctacttgctt	ggatcctatg	gcctatatgt	ccctattttc	tacctacttt	tccaccctta	34020
ttaacctgt	attttacgta	gtctctgtat	atttgaattt	tgtttcaagc	ttccacatat	34080
atgtgagata	atgtaatat	tttctttctg	tgtttggctt	atttcactta	gcataatttt	34140
gtctgggttc	atccatgttg	taaatggtag	gatcttgttt	ttttagggct	gactgatatt	34200
ccattgtatc	tatgtaccac	aatcttttta	tctacctatc	tatcagtaga	cacttttagtt	34260
gtggctatta	tgtttttctt	tttttctttt	ttggagacag	ggtcttgctg	tcaccaggc	34320
tgcaatggag	tgggtgttatc	atagctcact	gtaacctcaa	acttctgggc	tcaagagatc	34380
ctcctgcctt	ggcctcccaa	gtagctggga	ctacaggcat	acattaccat	gcctggctaa	34440
tttttaatat	tttttgtaga	tatagcatct	cactctgttg	cccagactgg	tctcaaactc	34500
ctaattcaaa	tttagaatag	agtatgacaa	ttctgtaaaa	tataaaaaac	atgtccactc	34560
cgtataggaa	gttataacaat	gagaagaaga	caaacactat	ttacattact	cttgataagt	34620
tttttacaaa	gaaataaaac	actttaattt	ctaattgttt	aaattctggt	ttgctaaata	34680
aataaatatt	agtttttagtg	tttttaaaat	tccttatata	gttataagtg	atcttcctgc	34740
ctcagcctcc	caaagcactg	ggattccaag	caagagccac	tgtgttgggg	cccttggaac	34800
cagatatgct	gaaatctttt	cttgtggatc	tacaccagga	agagggattg	ctgggtcata	34860
tgtacttcta	tttttaattt	ttcttttatt	tttagtgaat	atgtaataat	tgtatataat	34920
tgtgggatcc	agaattatat	ttccatacat	gtatacagtg	tgtgataatc	aaattagggg	34980
aattaacata	tccattacct	gaaacattta	tcatttcctt	gtggtgggaa	cagtaaaaat	35040
taaaaattct	ctcttctaga	tttttgaaca	tatgcaataa	actattgtta	agtatatcac	35100
cctacagtac	tacagaatgc	tagaactcat	tcctcatatt	tggctccaat	ttcatattct	35160
ttaaccaacc	tctccatatc	ctcccctccc	tcttaccctt	gtcagcctct	aataatcata	35220
attctactct	ctacttctat	ctcattgtct	ttgatttaga	atatgtttca	taatttaacc	35280
aaagggtcaa	ttcttaggta	ctgctaaggc	aaagaacaaa	gatcgcatc	cagctgttag	35340
acatttctta	ctactagtca	tttttaagac	aacatggggg	gcagggtggg	aggatgagag	35400
atagagattg	aaacatatc	tcttaaatat	cagctgttct	cactctgcat	agttccagca	35460
caaacaaatt	ccagggtacta	tggttagtta	aataacacca	gcccctaaca	acacaattca	35520
aatttctggt	accacagtat	accgaaagtc	attgcataaa	gtacaaactt	tgctgctaac	35580

p11089.ST25.txt

tcttcagcct	tcaaattcatt	acataaataa	cagaaaccca	ttataatcag	tgacaaaacc	35640
acagcacttc	tttcaaagct	ttttggagat	tggttgcttc	acatctgtta	tgagttcat	35700
acagacagca	atgcccggac	ttgtgtggcc	acattgtctc	ccagtgggtga	gcccattgtga	35760
tgtttcacaa	aaatgcgcaa	tcaaaagagg	aaactggcca	gcaaagatga	aagagtagca	35820
aacaaaggaa	gtgaaacatt	ctggaagtaa	aatttgaatc	aaacataagt	tgatgtatac	35880
aggaagtagc	caccctgagg	atgttgtcac	tgctgcaatt	caggagactc	taaatatgca	35940
gtcagaggaa	cgtagtgagg	tgaaggatc	cgtataatgg	ggaaagaggt	tgtgataaag	36000
agtgaagggtg	tcccagagga	agcgatgctg	aaaaatacac	cttatgttaa	atacactgtc	36060
agtatatcat	gacattaaag	tgcaaatgat	aacattttgt	aaactgatcc	aaacttaaaa	36120
aggagtatga	taattctgta	aaacataaaa	atcatgccga	ttccataaat	tatacagtgt	36180
gaattacact	gaaaaatcca	acattagaga	ggatatgaat	acaatttttt	acaagcataa	36240
ttttaataat	acacataata	attatttgta	ttcaagttta	gtaatgggtca	aggtttgga	36300
gaaattctga	tcctgtgtag	agaccctagt	ttgaatgtgc	ttatagccta	ttattacatg	36360
tgtaatgtta	cataaattac	ttaactcaga	tttttaattt	catcagctat	ttaaaatggg	36420
cataatataa	ctatattaag	tggatgttat	gaagattaaa	taagatgata	tgtaaaatgt	36480
gttttttgtt	tgtttgtttg	tttgtctgtt	tgtttttttg	agacagagtc	ttgctctgtt	36540
acccaggctg	gagtgcagtg	gcacaatctc	ggctcactgc	aagttctgcc	tcccagattc	36600
atgccattct	cctgcctcag	cccctcccaa	gtagctggga	ctacaggcac	ccgccaccac	36660
gcctggctaa	ttttttgtat	ttttggtaga	gatgggggtt	caccatatta	gccaggatgg	36720
tctcgatctc	ctgacctcgt	gatctgcca	cctcggcctc	ccaaattgct	gggattacag	36780
gcatgagcca	ctgcgcccag	cctaaaattt	tttttacata	atgggtgttc	agcacatgtt	36840
aaagccttct	ctccatcctt	cttccctttt	gtttcatggg	ttgactgatc	tgtctctagt	36900
gctgtacttt	taaagcttct	acagctctga	attcaaaatt	atcttctcac	tgggccccgg	36960
tgttatctca	ttcttttttc	tcctctgtaa	gttgacatgt	gatgtgggaa	caaaggggat	37020
aaagtcatta	ttttgtgcta	aaatcgtaat	tggagaggac	ctcctgttag	ctgggctttc	37080
ttctatttat	tgtggtggtt	actggagttc	cttcttctag	ttttaggata	tatatatata	37140
tttttttttt	ttctttccct	gaagatataa	taatatatat	acttctgaag	attgagattt	37200
ttaaattagt	tgtattgaaa	actagcta	cagcaattta	aggctagctt	gagacttatg	37260
tcttgaattt	gtttttgtag	gctccaaaac	caaggaggga	gtggtgcatg	gtgtggcaac	37320
aggtaagctc	cattgtgctt	atatccaaag	atgatattta	aagtatctag	tgattagtgt	37380
ggcccagtat	tcaagattcc	tatgaaattg	taaaacaatc	actgagcatt	ctaagaacat	37440
atcagtctta	ttgaaactga	attctttata	aagtattttt	aaaaaggtaa	atattgatta	37500
taaataaaaa	atatacttgc	caagaataat	gagggttttg	aattgataag	ctatgtttta	37560

p11089.ST25.txt

tttatagtaa	gtgggcattt	aaatattctg	accaaaaaatg	tattgacaaa	ctgctgacaa	37620
aaataaaaatg	tgaatattgc	cataatttta	aaaaaagagt	aaaatttctg	ttgattacag	37680
taaaatattt	tgaccttaaa	ttatgttgat	tacaatatct	ctttgataat	tcagagtgca	37740
tttcaggaaa	cacccttgga	cagtcagtaa	attgttttatt	gtattttatct	ttgtattgtt	37800
atggtatagc	tatttgtaca	aatattattg	tgcaattatt	acatttctga	ttatattatt	37860
catttggcct	aaatttacca	agaatttgaa	caagtcaatt	aggtttacia	tcaagaaata	37920
tcaaaaatga	tgaaaaggat	gataatcatc	atcagatggt	gaggaagatg	acgatgagag	37980
tgccagaaat	agagaaatca	aaggagaacc	aaaatttaac	aaattaaaag	cccacagact	38040
tgctgtaatt	aagttttctg	ttgtaagtac	tccacgtttc	ctggcagatg	tggtgaagca	38100
aaagatatata	tcagaaatat	aatttatatg	atcggaagc	attaaacaca	atagtgccta	38160
tacaaataaa	atgttcctat	cactgacttc	taaaatggaa	atgaggacaa	tgatatggga	38220
atcttaatac	agtgttggtg	ataggactaa	aaacacagga	gtcagatctt	cttggttcaa	38280
cttcctgctt	actccttacc	agctgtgtgt	tttttgcaag	gttcttcacc	tctatgtgat	38340
ttagcttcct	catctataaa	ataattcagt	gaattaatgt	acacaaaaca	tctggaaaac	38400
aaaagcaaac	aatatgtatt	ttataagtgt	tacttatagt	tttatagtga	actttcttgt	38460
gcaacatttt	tacaactagt	ggagaaaaat	atttctttta	atgaataactt	ttgattttaa	38520
aatcagagtg	taaaaataaa	acagactcct	ttgaaactag	ttctgttaga	agttaattgt	38580
gcacctttta	tgggctctgt	tgcaatccaa	cagagaagta	gttaagtaag	tggactatga	38640
tggcttctag	ggacctccta	taaatatgat	attgtgaagc	atgattataa	taagaactag	38700
ataacagaca	ggtggagact	ccactatctg	aagagggtca	acctagatga	atggtgttcc	38760
atttagtagt	tgaggaagaa	cccatgaggt	ttagaaagca	gacaagcatg	tggcaagttc	38820
tggagtcagt	ggtaaaaatt	aaagaacca	actattactg	tcacctaatg	atctaattgga	38880
gactgtggag	atgggctgca	tttttttaat	cttctccaga	atgccaaaat	gtaaacacat	38940
atctgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgagaga	gagagagaga	gagagagaga	39000
ctgaagtttg	tacaattaga	cattttataa	aatgttttct	gaaggacagt	ggctcacaat	39060
cttaagtttc	taacattgta	caatgttggg	agactttgta	tactttatct	tctcttttagc	39120
atattaagga	atctgagatg	tcctacagta	aagaaatttg	cattacatag	ttaaaatcag	39180
ggttattcaa	actttttgat	tattgaaacc	tttcttcatt	agttactagg	gttgaatgaa	39240
actagtgttc	cacagaaaac	tatgggaaat	gttgctaggc	agtaaggaca	tgggtgatttc	39300
agcatgtgca	atatttacag	cgattgcacc	catggaccac	cctggcagta	gtgaaataac	39360
caaaaatgct	gtcataacta	gtatggctat	gagaaacaca	ttgggataaa	tcagctgcta	39420
tcataatcat	tcctcttcca	catcagataa	atgaattaac	tttttgaata	gggttatttta	39480
atataaagtg	cttaagtcta	attatgagaa	gaaataagat	aattacactt	caatgggttaa	39540
agagaggggag	aataatttgc	atattatgcc	tgatgtaaaa	tgtttattat	gggtacatat	39600

p11089.ST25.txt

taagtgctaa	ctaatacgta	attgttcttg	ctacaagtct	taatgcaggg	aaacaagaaa	39660
ttattacata	gtacctaata	ttatcttcta	atattaaaga	aacaatttcc	cctaaattca	39720
tcccattagc	tttttttttt	cggtggggca	ggggagaaat	acagacttca	gtaaacttgg	39780
gccgggaact	ttctacctac	aaagttcaaa	taaaataaat	tatcctagtt	agataatatc	39840
aatgaaaaat	ccaccaactt	aatcctggc	tgtttgatct	caggaaatta	tttcagttat	39900
caacttaatg	catcatatta	tagaaatata	tgaaaatgtg	tttaattaaa	cttactgaat	39960
gatatgtttt	ttaaggtact	ttaaaaaata	acctatgata	taaagttact	tatttttcat	40020
gcaagtatag	tataaagaaa	tttctaacac	tggagatttt	ctgaagggtt	tgattcttat	40080
aaatttatta	catcataatg	aacaaaacta	attttcaaca	tattatgatt	taaatttcct	40140
tagtaaattg	ttttaaat	attttcttta	aatccatatt	tacatatgta	tatttaaata	40200
tacatattta	cttgataac	aattcaaaac	catatatata	ttttataatt	ttgtttaatg	40260
tcaaagggtta	gatttggcta	tatctattct	aaaagttgct	atcacatttc	ctttttggaa	40320
ttttattttt	aaagtagcta	aagtcaata	taaacctatt	atttatatta	atgcagacat	40380
tagaggtaga	cactaaattc	gttttagtat	attctaaatt	atttattatc	tactatgaaa	40440
taatatataag	aaaaataaag	cagaatccct	gatttcaaag	aactcagttg	ccgaaaaaca	40500
gttaccattt	attagacca	aatgtacta	atatgagtgt	gtctcttttc	cttttgtttt	40560
gtcacccgtc	atttggaatg	tcagttagta	gagagatagt	gtgaaaggcc	ctcaagggga	40620
aaaatagagg	ttaaagggtc	gcagagacc	tactagagaa	atcagttcta	cagaaatggt	40680
tttaaagtgt	tcgattattg	ctacatgtac	actctgtcat	tttgtaatgt	agccatttta	40740
tttatgatta	taataataaa	acaacaaaat	tataataatg	tgtagagtac	attttactgt	40800
gcagtgtatt	gcattaaaac	tagattaaaa	tttatacata	tataaaaggt	tatctagata	40860
ttataaaatt	tatggctgga	tctgtaaaaa	attcaaaacc	tatttttaat	cttgctttga	40920
gattttataa	caagaaaatg	ttcgtttcaa	gcaaaatttt	caattcacgt	ccttgaaaag	40980
gaaaaaaatg	acaacttgaa	acacataatt	gactattttt	aaaggatcaa	catttcagaa	41040
atgtttttaa	acataagatt	ttcagtagac	cttttcgctg	gcatttaaat	cgaactttga	41100
attgtaaata	gctcttactc	ttaaggagac	atcagccata	tccttagaag	tggcacggag	41160
ttggtaggta	gttgtaaaaa	attctagcct	aaaagacaaa	tagggagcaa	cactactgtg	41220
gaccttttct	ggtcttgggc	tgtgtggcta	tgtcaggctt	gcccacattg	cctgaactaa	41280
ggagaaagcc	tcttgtcctt	acagaccccc	ttagcttaca	tagtctat	gaaaacgaat	41340
tgctttgtcc	acaccattta	aatattggct	tcaggccggg	cacggtggct	cacgcctgtt	41400
atcccagcac	tttgggaggc	tgaggcgggc	agatcacgag	gtcaggagat	cgagaccatc	41460
ctggctaaca	cggtgaaacc	ctgtctctac	taaaaatata	aaaaaattag	ccgggcgtgg	41520
tggcgcgcg	ctgtagtccc	agctgctggg	gaggctgagg	caggagaatg	gcctgaaccc	41580

p11089.ST25.txt

gggagtcgga	gtttgcagtg	agccgacatc	gtgccactgc	actccatcca	gcctgggtga	41640
cagagcaaga	ctccgtctca	aaataaataa	ataaataaat	aaataaataa	ataagtaa	41700
attggcttct	tcaactgggtg	agatgaaaac	tataacaatag	tcatgtgaat	agcactaaac	41760
agctgacatg	gtgtaactcc	tctcagactg	aggcttatct	ggggagtaca	aagcatgtca	41820
agaaaatgtg	ccttcatttc	cttagatgag	tgtcccatc	ctccactctc	ctccactgtt	41880
ctcctctctg	cttctatgat	atcaactttt	tttttttct	ttagattcca	catgagtga	41940
atcatgtggt	tgtttgcctt	tctgtttctg	gcttatttta	ctgaacaaga	aagtttttga	42000
catgaaatta	aacttctgct	tgtaaactca	attcaaaacta	tttactgt	cttctcaaaa	42060
atgttaactt	attttaataa	atctactgaa	tgaccgtatc	tcattttgtt	ttatgaaaag	42120
aaattgtaag	ggtgctcaat	agcctcttca	ttttcatact	gtctagctcc	tgtgctccta	42180
ttaaaattac	tgcaaattta	gctttttaag	aaccctttgt	ttcactacct	gaagttctat	42240
aaaaagatcc	aagttccttc	acaaccgttt	cttatgctgt	tattcgtaca	tatgtgataa	42300
taccacgtct	gaacacgtag	ataataagta	ggggctgggt	gcggtggatc	atgcctataa	42360
tcacagcact	ttgggaggct	aaggcagggtg	gatcacctga	ggttaggagt	tcaagaccgg	42420
cctggccaac	atgatgaaac	cctgtttcta	ctaaaaatac	aaaaaataat	aataataata	42480
attagccagg	tgtggttggtg	ggcacctgta	atcccagcta	ctcgggagac	tgaagcagga	42540
gaatagcttg	aactcaggag	gcggagggtg	ctgtgagctg	agattgtgcc	attgcattcc	42600
agcctgaaca	acaagaatga	aactccatct	caaataaata	aataaataga	agtatgtatt	42660
gtgttgctta	gaagggtgtg	tggaaattaa	cttgctgagt	gagatcaaag	gattggcact	42720
gaattgaaat	aaagaaatat	tcatgctgag	tctggttcaa	atataactgc	acctgtaaga	42780
attgctttct	gtaaactttc	catagtataa	accaaatacca	aatcactcat	ggctttacat	42840
tcctgatcgt	taaacttgaa	gcacttttta	atactgcatg	acttttagcca	aaatatctta	42900
gccaaagattc	aatgtttggt	tgaaccacac	tcacttggac	atcttggtgg	cttttggttc	42960
ttctgaccac	tcagttatct	atggcatgtg	tagatacagg	tgtatggaag	ccgatggcta	43020
gtggaagtgg	aatgatttta	agtcactgtt	attctaccac	cctttaatct	gttggtgctc	43080
tttatttgta	ccagtggctg	agaagaccaa	agagcaagtg	acaaatgttg	gaggagcagt	43140
ggtgacgggt	gtgacagcag	tagcccagaa	gacagtggag	ggagcaggga	gcattgcagc	43200
agccactggc	tttgtcaaaa	aggaccagtt	gggcaaggta	tggctgtgta	cgttttgtgt	43260
tacatttata	agctgggtgag	attacggttc	attttcatgt	gaggcctgga	ggcaggagca	43320
agatacttac	tgtgggggaac	ggctacctga	ccctcccctt	gtgaaaaagt	gctaccttta	43380
tattggtctt	gcttggttca	ggcattaacc	cagataaatg	ccatgcaa	tttataatta	43440
ttatgattgt	ttcaatttct	ggaagaaagt	taatgaaaca	aaaaatgtag	taaaatgcca	43500
aaggaacagt	gacatttcag	aaagaatgag	ggctttcatg	ttaattgtaa	gtcttggaat	43560
ttctcttcct	tggagtaaca	aatccctttg	tgcctaattt	cctaatttcc	aaaataaagt	43620

p11089.ST25.txt

tcttttactt	atttctttat	agtgacatca	tctcttatta	aatggcatat	ctgcatatta	43680
cataacagtt	cattgccaaa	tacatatattg	tgggaaatga	gagacttaaa	atacatacca	43740
accagagata	tagttttgag	gtagatttta	aaattctgag	aagaattttg	actgaatttt	43800
tttgacaaac	atgggacacg	aataagatta	taccaaagat	attataactt	tcattttaaa	43860
tatggaacta	atacagtatg	aggtgtcaac	aacgttgaag	tttcacaaac	atcaccacaa	43920
cagcaaaata	atttttgctt	tttcctgcc	acaatgacct	ccttgctatt	tcttgaataa	43980
atcaagcata	cccttgccct	gacacgttct	tggggaggcc	tgccctaatac	tatataaaat	44040
tggagccatt	cttctcacct	ctggtattcc	cagtctccct	actttttttc	cttctttctt	44100
tctttttctt	tttctttctt	tctttccttc	tttctctctt	ttctttcttt	ctttactttc	44160
tttcctttct	ttcttttccc	ttccttcctt	ccttcttccc	ttccttcctt	tctccctttc	44220
tttctttctc	ttttttcttt	cttgcttcct	tccttccttc	tttccttttc	tttcttttcc	44280
cttccttcct	ccctctctcc	ctcccttcct	tcctcccttt	ctttctttct	cttttttctt	44340
tcttgcttcc	ttccttcctt	ctttcctttt	ctttcttttt	cctttctttg	ccaaagtgtt	44400
attcaccttt	aaatataata	cataatgtgc	ttactttaat	gtatgatatt	tattttattt	44460
ctcccttcta	gaatgtaggc	accatgagag	tgaaatatat	ttattttgtt	cattgatatt	44520
tcacaagtgt	ctgggagagt	ttccaactta	cagtagacaa	ttaacaaaca	tttattaaat	44580
taaggagggg	aggaagtgag	taagcacaac	aactttcatt	tctgggtctt	ttataatcat	44640
atgcttagta	taagaacagt	gctattcagc	tatccaaaag	ttacaatcaa	aatgattttg	44700
gatgaatatc	ttgaaaattg	tgagaaagaa	gttttatttg	ctggcaaact	attctggggt	44760
gtttccactt	catgtaatcc	taagtagcag	ccttaccttg	atagcccatt	aaaactctga	44820
taataaaaag	gcagaacaaa	aatatctgtg	atataatttag	atttactaca	tgtacttaca	44880
tgtctagtgt	ctggtgcaat	ggatgctaata	gatggcaaata	ccttactggg	cttctagtga	44940
agttcttcag	ctaatagttg	aatgcatggg	tggatcatggg	ggtagccctt	tgtacaaaat	45000
atgcttttca	aataatctta	ttagggataa	taattatatt	aattcctggg	ttccatctaa	45060
aatttttaatt	ctatttatag	cttcgtaaga	tttcacaagt	taagaggggac	ctcagattaa	45120
attagtagac	aggcaattaa	tcagttttgt	gtctccgacc	cttttcacgg	gctaatagaa	45180
gctatagacc	ctcttagctt	cagaaaaatg	tgcactcaca	tacgcacatc	aaagagctta	45240
atgggaagtc	cattgacaga	ccctctgttc	agatcaatct	tctgattgta	gagatgagga	45300
aacagaaatc	tacagaggaa	gtgggtagtc	caagattgca	cagtcatttg	gaatagactg	45360
gacaccagta	gtacttttcc	agccactata	tcacttcccc	aagcacttcc	tcaaaactta	45420
ccttcctttg	ggcttttata	cattcagtta	tggacaacta	gatttaacta	gaggatttta	45480
ttgcttcaga	atattaagca	acagggaaac	atgtaccgtc	ttttattcac	ctgcatttaa	45540
ggcatacaat	ataaattgca	aatggagcat	gaaagtgcct	aatcttttac	aaaactgggt	45600

p11089.ST25.txt

ttgctttcca	cccattctaaa	aatactttcta	tttatttttaa	tattttaaacg	agaaatctaa	45660
gtgatgtgac	aaaattaatc	atttgagat	atttcctta	taggtagtat	agtttcttac	45720
tgattttcta	tatgaaaatg	aagccataga	acctagaaat	tgcagcatag	ttgtggaaat	45780
aaacattgga	ctgagagtga	aaatggctag	tcttcctctc	tgctcataca	ccacctgact	45840
ggataacctt	ttgcagatct	cctaaaagtc	tttctcataa	aatgaggaag	ctctactaga	45900
aaattgttga	agtctaattt	agcaataaag	ttctgagttt	ctataataat	tcaaagaata	45960
ctctaataaa	tgtctgcaat	tgtggtcaca	tctatgggat	gctaaaaaat	ctggatgggt	46020
tcaatgaaag	tatttaattt	gttcattatg	aactttgaaa	taattttatt	cattttttta	46080
actttgatca	aaatgacctt	ggtaaataga	aataagcaaa	ctctttttgc	ttgaaatgct	46140
tattaatgac	tgcattgaga	cactcattca	tcattcaaga	aagaatgttt	gctcacactg	46200
tgccagaaac	ttggaggaag	agggatgtga	caagtagggg	tactggatgt	ctagcttgta	46260
gaagtggatt	aatggctctg	cttttaagat	caggaacact	gaaagggagt	aatggcaccg	46320
gttttcacct	ttcatgccct	ttgaggggat	ctgggtccatc	accctctagt	tgatgaggga	46380
gggaaagttc	cctctccctt	cacaaatagg	tggaatttaa	atgacataat	tctgaacaac	46440
caataaatcg	agagtaaatac	aaagcagata	cctgttttgt	taatttgatc	atatgaatgt	46500
agctgccctt	agtaataatt	tctaagtata	agactagtta	aaggacaaat	gagttatctt	46560
gaattataag	attttgtttt	acagaacaat	attaactctt	gtgttttagta	cattagaata	46620
atagatatatt	tgatccatat	ttttactcat	gtgcacataa	gaagttatca	gtcatacaat	46680
tcattttcttg	aagttcatatc	ctttcattgg	cagagtagaa	acaggttaaa	agtgcactgg	46740
cagaaatttt	aagtgcaaag	caacagtgat	gttatataga	gaaaatttat	atttcctact	46800
tctattgaag	aagaaagatc	tgcttgttct	aagaatattg	tacaaagaaa	gtgacttgaa	46860
tcagcgttat	tctgtaatgc	tactatgcgt	gcagtgtgga	gtagccacta	gaacacttgg	46920
tctatcccag	ctcctcaaca	gtgtcttgct	tgtggctggg	gctcaaataa	atccttgctg	46980
aactaatgag	catctctttc	atgccacatg	gaatgctcta	aaagagttgg	atcctgaagt	47040
ttttatatatt	ttgtaatttt	ctggagtgtt	agagagcaaa	agtcctgaat	aaactgtgaa	47100
gccactgcct	gacaaataat	acagcagtca	gcttcgttat	catatcccat	tgagacacga	47160
cttatctaca	tgatgattaa	tagttttcac	gcaagaaata	agcttgaaat	gtctgttgcc	47220
ttgggtactt	aaaacatcca	ggttcagcga	tgttatttat	tgttgttcaa	aatcagaatg	47280
aagttcctaa	gcaatgccat	tttgaaaaa	ttacatcaat	atattatgaa	caactttttt	47340
taaatcttga	tttcaaattg	attgacacgt	gtatattctg	taataatcct	gacttaattc	47400
ataaaaggat	agctagccag	ttgtgtgcta	gatgaataaa	aaaaaagcag	gttttaaaat	47460
gtcaggtttg	acatcgtaga	tataatatct	aagtatcctt	ttactcattt	cctttgactt	47520
actatggctg	tcatgttggg	cttcatgaaa	atttattttt	aaacacttga	gtgttatgga	47580
ccctctgatt	aaatgattaa	tcagatgatg	tatgttgcca	tcagctgaat	catttaatgt	47640

p11089.ST25.txt

tgatttcaca	aacaagcaca	ggtcacaggc	aacatttcag	atttccttga	agaagcacac	47700
acaggtcaca	ggcataatct	taaaataatt	ttataacaag	gtagtaataa	gagatgtcag	47760
gactggagaa	atattttaat	ttatagtaag	ctttcccctt	aagtgtctaa	taattgttaa	47820
tataatacat	tgcctcaaat	aattaaaagt	ttggttcttg	tccttgtgct	tgacttcaga	47880
agataaccag	atgactatta	ggatatatta	gacctaaatt	aaaagctttg	agacacaatg	47940
aattgcctga	tttgtatttg	tgtttcgagt	ggcatatact	attactggca	ctataatctt	48000
agattaaagc	atactgtgat	tattaaagaa	aaatttaaga	ttgatttggt	tctaaaggta	48060
tgtaacagtg	acattttgca	atgtggtatg	taaaagttgg	tatttctcac	tcatatgaga	48120
gcccactaat	ggtacataaa	ctgtccccac	ttagaaacac	aattattatg	gcctttcttt	48180
gtatctgaca	aaatttcact	gggttcaaga	tggatgaata	gtgaattcta	atgaccctta	48240
atcctgtaag	gttctaggtg	ggaaagtact	ctgtaattat	gtataaaatt	ataaggaaaa	48300
taggcttact	gctatgtttt	cattaanaaa	cattaactga	gtacttaata	tgtgccagac	48360
actcagctgg	gcaccatgag	aaatacaaaa	ctgagtaaca	tatgggtggc	tcctgccttc	48420
aagaaatggg	cagttcaggc	cgggagactg	acatatttac	cctgggaaaa	agggagcagc	48480
tgtggtctct	gagaacaata	tggtttggtt	caagtatata	tccatcatgg	aaaaaaagag	48540
atztatctta	gaaatgagag	aggctgatgc	tctcaataaa	tatcatacat	taaattgtgt	48600
ttttgtcagt	agactgaaat	tacctcacat	acacgcacag	atagtagcca	tgatatttta	48660
gctgcttaga	tatagagaca	aatacttcca	cccaaactct	aggatcagtg	gttaatagtc	48720
tgtaagcatt	acaatcccac	aacatatgca	tgactataca	tccaatttta	atattcaaag	48780
aactgattgc	gatgatagtt	ttgtttgtca	aagaaatgta	ttataggatg	agtgggatag	48840
aactgcatca	cgttacacca	acaaataggt	ttaaatcata	tttgtgcact	tcccttgttc	48900
cttcataaat	gtttaacata	gcttaaaatt	ctgtggactg	caacgtgaga	gcaatgacca	48960
cacttctgtg	aaccattttt	tactgtgcat	gtgctaacgt	ctattgttag	tattccttca	49020
cttgcaaaga	tggcatgata	attttgctgg	tttcattaat	gagatactgt	taaatgtagg	49080
atgacttcaa	acttagttgt	attgtaaaat	tatttttaat	tgtatacatt	taagttgtac	49140
agcatgatgt	tttgagatac	ttatctttat	ttatatatat	atataatata	cacacgtata	49200
taaaagtgat	tcctacattg	aagcaaatta	acatacccat	catcatatgg	ttatctttgc	49260
ttttttacta	tcagtgccta	aatctacttt	tcttgaaaaa	ttaccagtat	gcactacaat	49320
attattaaca	ataatcttca	tgttgtagat	tagatcttta	gacttactca	tcttacatga	49380
cttaggtttg	tttttacctc	tactaccatc	tgagccatat	ttccactttg	taatttgata	49440
ataaacttgg	aaaaatagca	cttatatgtt	taggtgacgg	gcataaatag	gataagatgt	49500
gtttatatat	tattccatat	atcttgtctc	caactacaat	gataaacaac	ctgtttgtcc	49560
ctaaaaagta	agaaataact	tgacttttct	gcccttcaa	gcataggctg	ttagctttta	49620

p11089.ST25.txt

agtttttaggg	agacattgat	gatgctat	gctttatcaa	gaggaaattg	tcaaaagagg	49680
tcttttggtt	ctcaaactat	tcaaagtatt	taaaaatcag	gacaaaatat	gtttacgtga	49740
tattcaaggg	tacagaaatg	aggtaaata	gatgccaaat	gtatttgtca	tgcaaatata	49800
taattatgtg	tatgagagtt	agatgataca	tctcatcaat	ttaattgttc	ttctacaagg	49860
agaaaatgaa	caatttgtca	actcgtatat	gaagtaattt	ttataagaaa	ttttattaaa	49920
acttttaaca	acatttggat	ttttaagttg	caatttaaat	atcccccttct	accaggtgat	49980
tctggaatca	ctaagcagtt	acctgtgaaa	attccaaagt	agcatttaat	tcttattaat	50040
gtcatagtga	acactaatgc	aaagaatact	gagccagaaa	ttatgcttgt	tgaataaata	50100
gattattttat	tgaacaagta	agtgaaaaaa	tggaaataaa	gaacagatat	atattttatc	50160
ttcctgctta	gatgtgggac	tgtcctactt	ttctctggtg	ttcacaacaa	caatatgata	50220
aatctaattg	gaattcagtt	cataggaatg	aattcagtta	cattatggat	tgtgatgaat	50280
aatgtacact	tttaatttaa	tgaaatcaaa	tagatttttaa	ctatctatgc	ttacaatggg	50340
gtgacataag	tctgacaatc	cttaatatca	agtcactctcc	aattcacatg	tatacacact	50400
ttttttctat	ttggctattg	ggaatcctca	caaaaatcga	aaattgccct	ttcagtgtac	50460
gttacggtat	ttcatgccac	acagattttc	tgaggttgta	catacagctt	tgccctgagg	50520
ttccaatttt	tgctcagtg	attgagtata	tattatttgc	tatatatcag	aagaggcatg	50580
tgcttcctac	ttatgtcacg	taactttggg	attaatgtaa	ttgtcctaca	aagcatagat	50640
agatagaaat	acttcactct	taattttctaa	tattatgaca	tatctaaagt	aggcaccttt	50700
aaaagataat	ctccactaaa	tacgaatgac	tgcttatagt	ggcaattcat	ctttcatggt	50760
agtcctccta	caaaggtata	ctaacattta	tgagtttgaa	acaaaggcaa	ttcacaagtg	50820
ttctgctaga	gatggtctat	atctgctggt	tgatccagca	tgatggccag	ctggccctcc	50880
tgtgcatgac	ggctcgtggt	ttaactgcac	cattttgttt	ggcatatac	agggaataca	50940
tggcatggtg	tggagggcat	gggcttgaat	tcagggaaca	gagagttggt	cttctctctc	51000
tcactctact	ggatgatgtc	atctcccctc	tctaagcatg	agttttctta	tctgtgaaat	51060
aaaaatggtg	aattaaatga	gttcaaaatg	ctttcagttc	gtgtttaata	gcttgaatct	51120
taagacaatg	tattcaatta	tgcgttgcca	gatccctggc	aactcatgta	acctttctaa	51180
accatagcta	ctcatctgta	actggccagc	caactgcccc	gggttggagt	gtgaatgaaa	51240
taagataatg	cagacaaaag	atttttaaaa	attgtagtgc	attatacagt	tgtaatat	51300
tgccaagaac	ttacattttc	tctaagaagt	gtgtcgatac	atgatcacag	aaaatctttt	51360
ccatatttcct	ttgtagtttg	atgatattaa	gtaagtaaat	tgtataacac	aaagagggaa	51420
aagcatcact	gaacatgccg	ttttatttag	ctaaataaaa	tgtaatcact	attagttttc	51480
ctctgatttc	cccaaagtca	tgtgattcca	ttgagtatta	tgcatatggt	ataattagaa	51540
tggattctct	gctcaaataa	ttttgggaaa	cattttaaatt	aacaaagttt	aaaagtatct	51600
ctgttaagct	gaagcaaata	tcaaaggcct	taatattgta	tgtaagagga	atagttacca	51660

p11089.ST25.txt

tctttcctaa	tgcttctttg	acgccaaacc	catggagaat	agttctaggt	gttcagtaaa	51720
acacagattt	gggatgccac	aggttaattg	gaactgtccc	ctgcaatctt	tttctctttt	51780
tcttaataat	ggctgattgc	aggtcctaga	tgaaagacat	ttagagagat	tatcaggact	51840
cagcatccca	tatcagaatc	cattctttta	tagtcatttt	ctgttacatt	tcttgggaca	51900
acaccaaaga	aatgaccatc	ttcattcaca	taggctttgt	accaaagtct	gacaaagatc	51960
cttggtgacc	tagatggggg	caggtctaag	tagattgcag	ctgtaaaatt	ggctgatgaa	52020
tgatctcagc	cccttttact	cacactcaaa	ggcaggacag	tccattaagg	ggaaggaggg	52080
cagagttttt	ccttaggcca	attccctatg	ccagaacttt	ttagaatgga	agcatttcca	52140
gaggagaaac	aacccaagc	acagttcaaa	gccccctcct	cccaagttca	tttgaaagtg	52200
ggatggttta	tctgcaaagg	gggaaaagat	gagggatagg	gacgggaata	tccctaccct	52260
tcagagagtc	tggtttcatc	ctgcactttt	actgcacagc	cacaaatgcc	ttggggtgaa	52320
tctacaatat	gatacatcat	atggtctaaa	cgtgcctggc	tgatcctctc	taatacttca	52380
ggggtctaaa	agggataaca	tgctctcctg	ttactcaccg	actctgtccg	ccatatttca	52440
cccagccagc	cactgccttc	acttccgtcc	gaggcctaata	ctgagcccat	gggaaacctta	52500
agaacccta	ccacaactgc	ctcaactctt	gggaatcagg	gtgtatgggg	gtgacaggaa	52560
gtgagcatac	attctccaac	ttgatatgtc	agccccacg	tctgtatgaa	tgtttgctca	52620
cactgtgact	gccggccttg	ctcctcaggc	tgcactctac	cagggagtaa	gaccaagtc	52680
cttcctgctt	tcagacaaca	ccaagcctca	tgagtcccca	ctcagaggaa	ggaccagaga	52740
caaactctaa	tgttccacta	atacttcctt	tcttattact	ttccttgaaa	atcccttctc	52800
cctctttctt	tttatacttc	gctaataaaa	ggtaataaaa	gggtctggca	cttgggaattt	52860
agaattgata	catggttttt	aaccgcgga	cgtattccac	aataaccctt	gcatcttcta	52920
ctaagatgtg	ggctaggaag	ggaccagcca	gttcccaggg	tcacagtgcc	tcagctgatg	52980
tttcatattt	tcagcaactt	tatgttagag	atgtccatca	atcagaacaa	tatggttaga	53040
gaataaacta	ataaaaagtca	cttttgagga	catgttgga	gtctatcaaa	agcattgaaa	53100
ttatgcatgc	tctgaccagt	cgcatgtcta	agaatttaaa	tatgatcata	agtttaata	53160
tgaagatgtt	tatcacagaa	ttgattataa	aacaaaattg	aaaaaaatag	tgctagaagt	53220
ttgatcatag	ggacctcatt	aaatgcatta	tggttgatcc	atgcagtggg	ttgctgaaca	53280
gccattaaaa	tggtgtagaa	taattattaa	tggtgtggaa	ggatgctatt	gttgcagtat	53340
gtgaaaagaa	caaattacaa	agcagtttgt	gcagcataat	atttttat	tttaaaaacc	53400
tgtatgtggc	ttatgtacat	ataaagacgt	ggaataaatg	cacaaggtac	tcagtttttc	53460
tcagtgaagc	ccattttgca	ttttgggctg	ggtaattcct	cgctgtggag	aactctcatt	53520
cattgtagga	tgtttacaag	ccctgggcct	tacctcttta	acgccagtag	gcacccccag	53580
catggcaaca	agcacaaaat	ggtctctctc	atattgccct	tgaggaaatt	ttgcaactaa	53640

p11089.ST25.txt

gtaactatta	ctgggtccta	gattacagtc	tggattattg	cgttcctttc	ttatTTTTat	53700
tttctccaat	tccctttaat	aagcatgtac	tggattcata	aaaaaacaac	ataaatggta	53760
attacaatat	tccgcactgg	ttaaaactta	tgtaaataag	cattctgctg	ctttagccac	53820
aattgcaatt	tatgctcctt	ctcttttctta	agttcccagt	tcccacgtac	attcattcga	53880
ctgattcaaa	agtcatttta	gcttgataga	ctcttaaaag	ttagagttat	catttctgct	53940
atttattctt	tcaattatcc	atttgtccac	ccatccatct	gatccatttt	gttgatgcat	54000
gctgtgtata	aaatactaca	ccagcctggg	gcgggtggctc	acgcctgtaa	ttccaggact	54060
ttgggaggcc	aaggcgggtg	gatcacctga	agtcagggtg	ttgagaccag	cctggccaac	54120
gtggaaaaac	cctgtctcta	ctaaaaatac	aaaaattagc	caggcatggg	ggcagacgac	54180
tctaatacca	gctacttagg	aggctgaacc	aggagaatcg	ctcgaacca	ggagatggag	54240
tttgcagtga	gctgagatca	tgccaataca	ctccagcctg	ggtgacagag	caagactccg	54300
tctcaaaaac	aaacaaaaaa	aatacaatgc	caagcatcat	aaaaaatata	gtgatataata	54360
agacctatTT	gttggtgctct	aggcattgac	atctagctgt	caaccattaa	tatgtgtagg	54420
agtctatcta	tcaatattat	ggactgtgct	tgaagacttc	ttccccaatc	tttttctctt	54480
cccattaagt	ttgaagtgag	gttttctgag	tgaagtatca	tagtacatac	agtctcatta	54540
tttttcaaaa	atctctgggt	atagtagatt	tctttccttt	atcccccttg	ttcccaacta	54600
tcaaaccatt	ttggatatcc	agtattggta	tccagtatta	ttaaaaagca	aaacagagaa	54660
ctattaacaa	aaaaatttTg	aggagtaatt	ggttgtatgg	tatccagtac	tattagatag	54720
taaatcagaa	aattattaac	aaaaatttta	gacgaataat	ggattgtctt	gcccaagtga	54780
attgagtgat	ttagtTgttc	tttcattttt	agcaagtaca	gctgatcatt	tgaggcctta	54840
ctcattgttt	gattttgcaa	attcttacta	ttataaatgt	tttgggctct	gagaaagctg	54900
ttgtcttaat	ctgtttgtgc	tgttataaca	aaatacatga	gactgggtaa	tttacaacaa	54960
acagaaattt	atttctcata	gctctggagg	ctgggaactc	caagatcaag	gcatttTgtct	55020
tcaggttcag	tatctggcga	gggccgggtc	tctactccca	agatgggtgc	ttgtcactgt	55080
atcctccaga	gggccaaatg	ctgtgttctc	acatggtaga	gagatagaaa	gggccaactc	55140
actccctcaa	ggcctttcat	aatgttacca	attccacttg	tcagggtctct	gccccctgta	55200
ctttattacc	tctgcaaggc	cccaccactt	aatactatca	cgttgggttat	tacgatttat	55260
cacatgaatt	tcgaccatac	tagttgccat	cctttcattt	tcatatatcc	ttaaaacttt	55320
gcctttctca	ttttaatgta	ctttatccac	agtatgccaa	cttttcgata	cttttgtaa	55380
cctgtctgac	gatatatagg	aaactgtaaa	agtgacgttt	ttgatacact	ctttagctgc	55440
ccgtttactt	ctactgtcgt	tagagaacc	catccatagt	gcatgtgttt	atTTTgtgta	55500
tgaacaaaga	ctttatatat	agtttgggtc	atTTTtattc	attagtgtt	cccttataat	55560
ctctgaatac	cattttatta	gtacatactg	ctattcttaa	tagtaactag	catgcctgat	55620
catcccaaT	gtctaggttc	acattttaaa	ataagttata	tctttgggct	taacagttta	55680

p11089.ST25.txt

ttgaaaggta	acaaggattg	agtcatagtt	gtatgttttt	ggaagtagaa	ttcaactgta	55740
aatagaaatt	ggttgttttag	atctcactat	atatgaaaaa	atgaaggcctt	taggagaaaa	55800
tctcccaaaa	gtacccattt	ttcatgtgat	aaatatcatg	aatgatttg	agaaaaaat	55860
gtatatttgt	tacagctaac	aaatatttgt	gtttttttatt	cttcatggag	agaatgaaat	55920
ttcttctctt	ctttacacat	ttctttttct	tattagaaac	taattggtgc	ctttataaaa	55980
attaactgca	gagcactaac	gtgtatatat	aagtattatg	taggggtgtag	ggtatgttca	56040
gggtatggtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtagctgtg	tgtgtatata	56100
atgaaatata	tggtagtgtt	gtttcagaaa	tctgcttggt	cttcccagag	ttcattcatc	56160
ttataaattc	atctacattg	atctctattt	ttggaatcca	tgaaatgttt	tttggcagta	56220
cttcctttta	tatagtgtgc	tggaaatctg	gaaatttcta	gccagattag	ttacaaaaaa	56280
ttagccagtg	gttttgcact	ctctatagaa	tcaaggccca	aggcctactc	ttgttactca	56340
gggccttggt	ttatctggcc	tctttctttt	cagccatata	gctctcaa	actcaacaaa	56400
attcttcatt	ctaggtagac	aagtatcttc	aaaatacttc	ccaattatct	aataactgtc	56460
ttaccactaa	gaaggccttt	atgtctcctg	tctgaatttt	atccatgcaa	aaaagtccag	56520
cccaagcctc	cagaactcca	aaaagttatc	cctaactgct	gaaacacagt	aatttcacta	56580
tgtgaaattt	cactttggtc	tcctagcatt	tgcagatata	ccatacatat	ccttgatcct	56640
tttcttttca	taccttttat	atctaaccct	taagctaata	attttaccta	cactgtaatt	56700
caaaatgtat	ccccagtctt	accatgtctc	ccttctctac	tgttaccacc	ctaggctagg	56760
ccttcatcat	ttctcacctg	gactccttcc	ctaacctctg	aactgatctg	cctgcttcca	56820
cttagacacc	caacctagtc	cattcttgag	cagtcggaat	aattctttta	agaaagaaac	56880
cagatcacat	ccccctctgc	tccaaccat	ccagtgaacct	cttatcatac	atagaatgaa	56940
atgcaaatct	ttactgtggt	ttaaaggccc	tacattatct	ggccctcagt	aacttcttac	57000
ttcctatccc	ttttctcctt	gtatgccacc	ctccaactac	actctaacta	cactgtcctt	57060
ttccctgttc	ttcagacctg	ccaaccatat	tttactgct	caattaatat	gtagaaaatg	57120
aattgttcgt	taaatgtaga	ctgtttcctt	cttaaagcaa	agataaatga	cattgtcttc	57180
aaaaacaact	aactgcccag	aattcctgat	tttaatttta	aaaagacaaa	ctgcaagaat	57240
gtgttaaaca	gtaaggaaac	aattcactac	ttcagaattc	tatatgattt	cactgcacgt	57300
tagtaatttt	gtatattata	gaatatgagg	gtatttcta	aaacttaact	ctatgctgta	57360
tacttatcat	gatagctcat	tttcttatat	gtttataaca	gcactactta	ttgtacatgg	57420
atacgtggga	aataaattaa	ttttctcctt	agaacaaaag	caaccatttc	actcatgaga	57480
taaatcttga	agatttaaaa	actacttata	attaattata	cattattcat	ataatgttaa	57540
gtattttctt	agtaaaccac	ataatttaga	atggcaattg	gacagatggg	cagaaccaca	57600
tgcattccact	attaggcagt	tggtgagcat	aagatgccag	aaagaagatt	aggaatatca	57660

p11089.ST25.txt

aggcagggag	cttccgatcg	ctcttgaaaa	cattgaccct	tcactcctca	ctctccacga	57720
tgcatttcct	ttgaaaagta	atgccttcca	aaacaaagtt	ctctgtttta	tatctaaact	57780
tactcaatag	tttctcatgg	ttattgatat	ataaaaaata	aagtaaaatg	tttaggcaga	57840
ccaaaagaag	aatttccccc	tccctctgcc	ttttatgcca	aggtgacagc	tatgaaatgt	57900
acagtacgtt	tcctctgcaa	ggaatgtagc	agtgttccat	tgcaagaaga	tgagagggag	57960
agaaaggttg	cacgctgagg	aatatagtgt	catttgtcac	tgcctagact	catcagctgt	58020
gtggaactct	gagaggcacc	aggcttcttt	atttatttct	tcagaaactt	cagcaaaaaa	58080
gatttcatta	ggagcagaga	aaaatgtgaa	aaacgaatta	gcttttgtga	tggggagtag	58140
tcatctctga	atattgatca	agattaagag	ggttgtcttc	gtaacttctt	ttatccatag	58200
tctatactga	tttaactaga	aaactaattt	caggtggtat	ttcgggtgtg	gcagatcttt	58260
atagtaaata	aagaatctag	tcaaacttac	tgaaaaactc	tgcttacttt	aatgtttgat	58320
ctggttgaaa	ccatttttagc	ttaacaatcc	ttcctctgaa	acagggaaatc	aattgatatc	58380
ctacagcaaa	attatgtgga	agggccatta	gcttcacatc	caatgcaaat	tttgcctgtg	58440
tttactcttc	cccaatccaa	aatatatcag	atcctagatg	ccagtgaaat	cgtttgagct	58500
agatggcttg	agggcatag	cttttttcat	ttcctgttct	cagacctctt	ataattgata	58560
gaataaaatc	agaagagccc	tagagctgtc	ccacctattc	tgcctcacaa	aagtagaagt	58620
aatggcaacc	actatcatag	ggatcatgct	cacctttttc	ttaccagaca	aatttgata	58680
ttagcttgaa	attaatacct	tccttaaaat	gttggaattt	ggttatatgc	gaaattttgc	58740
tctattttatt	catttatattt	tgtatggaat	tatttttgcc	ctatattttc	acttaagtgt	58800
tctctacca	agattttta	tgaacccaaa	tcagccagac	acacagacat	ggattttgct	58860
gccaccaagg	ttaattcttc	ttttaagtt	aacttttaaa	atttggtaaa	atatagcttt	58920
gaaaatttgc	attcgtctag	tgtttggtat	gtatttcccc	cttttgtttg	attatatgtc	58980
tatatttttc	ttgtagaaat	tgatttttaa	cctgcttttt	atggttagctt	ttatgagctt	59040
ctgtctgaat	tctgaatatg	tctttcttaa	tgtcttctaa	atgtttcttt	ctggattatt	59100
aaaagattta	ttaggccttt	aataattata	tttgttacct	tagggaatgt	gtttgaaaat	59160
attttaaatg	gaattgccag	ttaacacagc	attgaacttt	ttcttgtag	agatacattg	59220
ttttctaggc	attttattgg	gagagaagtt	agtatgatat	aatgtctttg	gctgatatta	59280
actcttctaa	gatgcattgt	ttctgagaac	accattgtct	gatttcattc	agggaaaattt	59340
cacacaagcc	agtagagtca	atactttttt	caagacctgt	taattgatat	atataaaaac	59400
ttgccattgt	ttacatgccc	atttcagatc	ctttatgtga	cctaagctag	aaatgcattt	59460
taacagcatt	tgtttttcca	aaaatattta	tttattttatt	tattatagag	acagcgtctc	59520
tctatgttgc	ccaggctggc	ctcgaactcc	tgggctcaag	caattctcct	gcctcggcct	59580
cccaacagtg	ctgggataca	ggtgtgagcc	attgtgccag	gcccttggtt	ttattttttt	59640
taaacattgt	attttgaaag	gggtttgaag	gtgatcccta	gatagcaacc	agtaatgatt	59700

p11089.ST25.txt

cgagcagcaa	aacaatctaa	aaagtaattt	tataagaaaa	tgacagaacat	aatgagccc	59760
ataaaaaatt	atattagggt	ctattttacat	tactaccttc	tttcacatgt	aatatttcac	59820
taacatttaa	tgaatttctg	tgacagtcca	tataccatta	tgaattctag	gatagaagaa	59880
tgagtggaga	atgttcttag	gccttaggaa	gaaggaacaa	gcatctctgt	gtaatagtta	59940
tttcaactct	tctttttacac	ctcattccca	tattaaatct	cagaaaagct	aaagtaatag	60000
ctatcccaga	tctatttttag	actccagaca	cttacttcaa	tgtcttggtc	tccttatcag	60060
actggaatca	ttccaaacct	cttaacttct	gggcaaccat	gataatgcga	cagaaaggac	60120
actaaatctg	tcgcaaattt	atcttgatat	tctatccagt	cttacttggt	actgaaggtc	60180
acaagtaaaa	taagggtggt	gttttttggt	tggttttttt	ttttttttga	cagaagagaa	60240
aagaacactg	tgagcacaga	gtgaatgtct	aacattgatt	cttgagtagc	aggaattctc	60300
tatgcgagag	gatctctatg	caaaaagatc	tcatattcta	gcacaattta	aggatctcta	60360
tgcaaagata	tcccatattt	tagcattatc	aataagctat	ggggtaatat	attgtatgtg	60420
gtgtggcttg	aattctagaa	atttgatttc	tagaaatggt	ccctgtagtt	aaggatatat	60480
aatgtggccg	tctccagttt	tctatgagga	ataggaaaat	actatcatta	ttagctgtgt	60540
gaccatggac	aacttgcttc	gttcttcagt	tgcatcatct	gtataaaata	agaataagaa	60600
aattttacatc	tgcaagggtg	gatggagatc	acatgggata	attgtgggtc	cagagcctgg	60660
cacaaaaggg	cttaatat	ataatcctcc	ccatttctcc	gtatactcta	aagggaagttt	60720
attgcttatac	aaattgtgcc	gtgggttagtt	gtacagcttc	cctgccaaat	tgtaaactcc	60780
aacactaatg	tgacgttaca	ttttatatag	tgctatgatt	ttcaaattgt	ttgcataatt	60840
tcaaatacac	agtaaattgc	tttttattag	tataattatt	gctattgtca	atattattat	60900
tacaacagct	tcacagtaag	atgggcagaa	aaaaatttaa	tttccatttt	acaaatgcac	60960
ttttgaggct	cacagaagtc	aaatagacca	aagtcacagg	gctagtggag	gacccagaag	61020
aaacaaattg	taattcactg	attccaagtt	cagtgggtgc	cttactgcat	cataaaggct	61080
attacacaat	ccagggtgat	catatgattc	ttgtctatat	attcatacat	atcagaaaaa	61140
gtgttctact	caaaattgct	agcaatcaac	agatactgat	agtcattagt	acttaaactc	61200
ttatcaaagt	aaatattaat	acccatgaaa	gagaggacaa	tgaaagggtt	gtatcatttg	61260
tatgtcacia	gtcaactttt	ttcaatcact	cattattagt	ttaactgtaa	aaaattattt	61320
acatttagcg	tgaaactttc	ctgtattctc	aacatatttc	cttcggtaga	aaagcaaacc	61380
tccagttctc	tgttctttgc	ttggatactt	gccagtttgt	aactcagcta	tcaaacagta	61440
aagctcacia	aacacttatt	aaaatgacta	aatccaaaa	caccaagagc	acagcatgct	61500
ggtgagatgt	ggagcaacaa	gaactttcat	tcattcacta	atgctggcaa	tacaaaatgg	61560
tacagtaact	ttggaagata	ggttgacaat	ttcttacgaa	gctaaactat	acttaacata	61620
tatatttgct	cattttcaca	gtgctaaaaa	gaagttcccg	agactgggaa	atttataaag	61680

p11089.ST25.txt

gaaagaggtt	tatttaattg	actcacagct	cagcatggct	gaggaggcct	cagaaagctt	61740
ataatcatgg	tggaaggaga	aggggaagca	aggcacctac	ttcacaaggt	gacaggaagg	61800
agaatgaatg	caggaggaac	taccaaacac	ataaaaccat	tagctctcgt	gagaactcac	61860
tcgttatcat	gagaacagca	tgggggaaac	agctctcatg	atctagttac	ctccacctgg	61920
tctctccctt	gacatgtggg	gattatgggg	attataattc	aagatgagat	ttgggtgggg	61980
acacaaagcc	taaccatatc	accatatgat	ccaaaatcat	gctacatgat	attcacccaa	62040
aggaaatgta	aactgtgtcc	acaccaaacc	ctgcacatgc	acgtttatag	cagctttatt	62100
cataattgcc	aaaacttggg	agcaaccaag	atgttcctca	ataggtgaat	gaacaaaaag	62160
actggcacat	gtactcaatg	gaatattatt	cagtataaaa	aagaaatgag	ctatcaagcc	62220
acaaaaacac	atggagaaaa	cttaggtacg	taagccagtt	tgaaagggtg	cattctatat	62280
gattccaata	tatgacattc	tgaaagagac	aaaattctgg	agacagtaaa	aagatcagtg	62340
attgcctggg	gctctgagaa	agtgcagagg	gatgaatggg	tgaagcacat	ggcatgttta	62400
ggacagtga	actattctct	atgatactgt	catggtggat	acatgacctt	atacctttgt	62460
taaaactcag	aattttacaa	tacagagtga	attctaatat	aaactatgga	ctttagttgt	62520
aataaggat	caatgttatt	tcataagttt	taataatgta	ccacactaat	gcaaaattat	62580
aataataggg	gaattggggg	aagggtaatg	gagtatatgg	gaatgcactg	taatctcagt	62640
acaattattc	cacaaaccta	aaacttcttt	caaaaataca	agctattggg	cagggtgtgat	62700
ggcttatacc	agtaatctca	gcactttggg	aagtcaagac	cctcagatca	cttgaggcca	62760
ggagttcgag	accagcctgg	ccaacatggg	gaaatcctgt	ctctactaaa	aatacaaaaa	62820
aaaaaaaaga	aagaaagaaa	agaaagaaa	aacagaagaa	atgaaagaaa	ggaaagaaa	62880
aaagaagaaa	agaaagaaa	agaaagagag	aaagaagaaa	ggaaagaaa	aaacagaaa	62940
agagaaagaa	agaaagaaa	agaaagaaa	aaagaagaaa	agaaagaaa	gatgcggttg	63000
ctcatgcttg	taatcacaac	tactcgggag	actgaggcat	gagaatcgcc	tgaactcaga	63060
aggtaggagg	tgtagtaggg	tgagattacg	ccactgcact	ccagcctggg	tgacagagca	63120
aggctctgtc	tcaaaaaaaaa	aaaaaaaaaag	ctattaaaaa	tatgtaaagc	tcagtctaga	63180
tacagtacca	gaatagtagg	aactttattt	cacctgtcct	acaaattatg	gttgtgtgcc	63240
acttgggtaa	aactcagaat	ccaaatatgt	gaatgtaaga	tttatgggga	aattatttgt	63300
atttcaaaat	aatccttaat	gaatgcactc	cttctaaagt	agccattaat	aaagcagtta	63360
atgtttcatt	taattataga	ttaatgtaca	taagatatgc	caggaatgca	attaggaact	63420
gggaaggggg	tggtatttcta	ataacttcca	catagcattg	tgagacattt	tctgctttct	63480
tcaaatttca	tttaattaca	ttttaaaca	atatttttgt	gagcctatta	tatagtcctt	63540
cgctagcact	gaggagacat	gctttgtgac	cttggtgatt	tcacattcaa	atttcccttt	63600
cacctacact	cttccttggt	ttttcatgcc	tgtgtagatt	gtaaattctt	cctcagatta	63660
agacatttta	ttcacctttg	taacatccac	agtatctagc	acaatcagtg	ccttcaaaaa	63720

p11089.ST25.txt

caattggcct	caagaattga	ttgactcaat	gagtgactga	aagactaaat	taataagtac	63780
acatctat	gtacttcct	gcttacttat	aaggatatga	aatgaaatac	tgagacagtt	63840
atacattact	tacggactca	atctcatttc	tttacaatct	ctattcttct	tttttgagta	63900
taatgttatt	ttacaattcc	actaacttgt	cactctttat	tataaattca	tatctccatt	63960
tcacctgaga	ataataaagg	caaggaagta	ttttaaatga	tcttgTTTT	tataactagc	64020
attcattgag	caaatcaaag	tatgaaaata	atatagggtgt	cagtgattat	tataaagttg	64080
tatgcacaaa	acattccaat	gattggggcc	aatacagaga	aaacatctca	atatttgga	64140
ttttgctttt	ctgtaaatac	tttgatatgt	acttacatca	tatcaattat	aactcctgct	64200
gaaaacaaac	agtgcacaca	aatttggtag	ttggaggaga	ctttataaag	ggactaatta	64260
cgaaggttta	gaccgggtta	ggaaaaacac	atggaatagt	gcaatacttt	aggatggcaa	64320
cagcgagcac	cgttataacc	actaggccaa	aatgaactaa	atgaacaggg	agattaccat	64380
ttatcagaaa	aagagggaga	aaggaaggag	agatgaccaa	gcaagtccta	tgtgaagacg	64440
gctgcctgac	ttgagctgtg	tgatctttgg	actgatacca	cctgcctgca	ctggcctagc	64500
agggcgagaa	tagtcaatat	ctggaaaatg	gatcacctga	ccttactttc	ctccctccct	64560
gtttcctctt	tgtggtgttt	ccactggcca	aactcacagc	gtagacaaaa	ggagtgcatt	64620
gatgtagcag	tgggttcta	ccagggccaa	ttgtgctccc	agggaaacatt	agtggttatc	64680
acagctcagg	ggaggaaggg	agaggagtgg	agtgtacta	tgattcactg	agggattttt	64740
ttaaacatct	acaatgcaca	ggacatcctt	ccacaacaaa	gtatccagtt	aaaaaatgtc	64800
attactgcca	aggttgaaaa	accgtggtgt	agtcagtaca	attcatcttc	tccaggcaca	64860
gtgcaggagt	ggggtggagt	gtctgaaggg	gaagaaggaa	gaaaccagca	cacccacaaa	64920
aagtaaccaa	tgcaaatacc	aaataggaaa	agacagcact	taaaatacaa	aagtctcagg	64980
aatatatctg	atagtgtttt	atggaattta	ttaaaattta	gcctggagtg	agtaatat	65040
agcaagccag	gtttgtcttt	agagaaatcc	ttgtgggggt	tatacaacga	tttattaaca	65100
aagggcacac	acaatactca	tattacagtc	agtctggtta	tgtaaaacat	gggcaagaat	65160
gtaacaggac	aatgtgatgt	attcacaaag	gatttttagga	ctacacagat	aatcctctaa	65220
tgctttcact	tacgtactat	gaaaggctat	agtttgcata	gtgatatagc	cacgtaagat	65280
agtaaacttg	acattcatgc	agctatacat	gtttgcacac	accaggatgc	atgccctttc	65340
tacctggttg	attttttatt	cttttattaa	tctctaattt	attccccaga	acactctcca	65400
taaaaacttt	ctcacaaact	aaatctttta	tctattgtgt	ggattttctga	ctcattctcc	65460
aagctttttc	tcttccctcc	gcaatgcctt	atagtcttat	gactattttat	ccctttgcct	65520
acattttctag	ccagatctct	tgcttgatac	acactctcat	atttctcttt	gcacgctaca	65580
cattttttatt	tagatatcac	actactactt	tgatttcaac	aggtctcagt	ttaacttaat	65640
ttttccttca	agcaaggagt	cccttcatat	cagttatcac	cattggcacc	agaatttttc	65700

p11089.ST25.txt

ttatgacttc	ccatgaccta	caatataaac	catataaaac	actgatgcct	ccatagttcc	65760
ctccctctca	aatttagcca	taagatgatt	ttaggatcct	tgttttttcc	aatctctctt	65820
tcattctctc	ccccatctct	tccattatga	aggtttggat	aggacacaac	tcatgcctag	65880
attagtgcaa	tagatgctga	gcctgtgcag	cggtagttta	gctttctctc	ctggttaact	65940
ttaactgcca	catatatcac	ttcacacgtc	atttttcatt	caaacgtatt	taactggctc	66000
ttcattcata	agaagctgga	at ttgtcgtt	tgactgatat	tttaaagatt	ttatatTTTT	66060
tctccatcct	cgttctaata	ttgtatcttg	tgtcatttgt	tcattcataa	acttaagact	66120
tagctaacca	ctgagcatcc	aggaaattca	gtatctatca	tgtgaattct	ctaatactgg	66180
ttgatccatt	gtcaccagag	catagcaggc	ttctcctgcc	tttatgtatg	tttgtcatat	66240
agttcatgcc	taaaattctt	tcttaaattct	taaattccta	agatacacac	ttttgcccac	66300
gatcacagta	atctctgcca	taatctctgc	tggaatctgt	tcactgtggt	gctcctgctg	66360
aacttcttac	agatgacttt	ttttcttttt	ggtttccctg	gtatctagta	taatttctta	66420
tataggtact	caataaatgt	ttcctgttga	tctctacacc	tactctgtac	aataccatag	66480
tgactagaca	catgttgcta	tcaagcattt	caaaagtagc	tagcctgagt	tgagatatag	66540
gggtaaaata	cacaacagat	ttcaagacat	attatgaaaa	aaacccataa	aatttctcag	66600
taattttttt	atagattaca	tgtagaaact	ataacatttt	gaataagttg	tatcaaataa	66660
aatataaaat	tcacccggtt	ctttttaatt	tgttaaattgt	ggtaggctaga	aaatttaaaa	66720
ttacataaatt	ggctcacaga	ataattataa	tggtatggat	tgcttttagat	caagtttgtc	66780
taacccgtgg	cccatggggc	acaagcggcc	caggatgggt	ttgaatgaga	tccaacacaa	66840
atgtgtgaac	ttccttaaaa	cattatgaat	tttttgtttg	ttttgttttt	gtttttttct	66900
catcagctat	catgagtgtt	agtgtatttt	atgcatggct	caagacaatt	aattcttctt	66960
caaatatggc	ccaggggaagc	caaaagactg	gacaaccctg	cttttagatag	taaagcatat	67020
gagtagttaa	tgtgtactat	aagcagtgtg	atctgataga	ctatttaatg	ttgtttgatg	67080
gtacattatt	caagtcgatt	attatgtcta	cctatgcagt	ttaacgacgg	taatgagaga	67140
gggcagcttg	attacaggtc	ttatcttttg	actaacttgc	taggccacct	gagaaggacc	67200
caaattatct	gaatgcttaa	ctcaactaat	ttgtattcac	ttgaagaatt	tcaaggatgt	67260
ttatatgcca	tcaacttgct	ttaaattttt	tctctcagtg	aaaatttttc	ttaaaatgag	67320
tatgtggtat	tcaaatttat	ccttgttttc	tatgattatc	ttttcatagc	actgtgggtt	67380
ccaggaacct	tttttttttt	gagatgcatt	ctacatgtaa	ctattgcaca	gtttgcatgt	67440
agtaagggtc	attattcttc	tacttttcca	aacacctggc	atgtttactt	gaggttggtg	67500
caccttggtat	cccagatttt	gctgttttta	acctaaatat	tgaatatatt	gattaaacat	67560
tatggaaagt	ttaaatgggt	caagaaaaat	agcttttctt	cccatgaaga	acaatacggc	67620
ataggagtta	agagcataga	tttaaagtca	gaaaacctgt	gctgcctact	tgtgcaaagt	67680
cacttacatg	ctgtacttct	gtttcttcat	ctgtaagttc	tacccttagg	tattttactta	67740

p11089.ST25.txt

agattaatgg	aagcatatgt	tcatacaatg	acttgtacag	aattattcac	gatagcatta	67800
ctcttaatat	ctctaactgg	taacaacaca	ataatcaatc	aacaattgtg	ctgtattcat	67860
acagcagaat	actacttagc	aacaaaaatg	gaatggacta	ctgataacct	caacaacatg	67920
gatgaatctc	aaaactatca	tgctgtgtga	tgccaggcac	aatcagtac	atactataat	67980
tccagaaaag	acaaatgtca	tccatagtaa	caacaagatc	catgcttgct	ggaggtagag	68040
gcatcagttc	agtcattcag	gaagctgatt	ccaagatggg	gttagaatta	caaccatcca	68100
caagagatatt	attgcaggca	atagctatga	aaggtagaaa	gagaacagga	gaaaaaccag	68160
gcaaggaaaa	accacaatgt	agttgtgata	tcacttcaaa	gggaggcaga	aggaaggaga	68220
attgggtagg	aatagccaca	gattacagtg	cagttacaag	aaagtcttgg	cttccaacaa	68280
aggttacttg	ttgaggagtc	atgcattagg	cagacatgtc	tgggctgtag	tttccttgct	68340
gctcccagtc	attggctgga	ggccagtcct	ggttcctgtg	ctgtggtgga	tcccattgct	68400
gctgcagcag	gaggccaata	gcactcctgg	cagctaattg	gagagaaaag	atccaagagg	68460
tgtaccttca	tggctacccc	catggggctg	gggtggagggt	ggaggagaag	gagaaggaat	68520
taactagaaa	aaggcacaaa	ggaaaattgg	ggaaaataat	gaagatatat	gatttctcaa	68580
ttgtggtggt	cgttacatgg	gtttattaat	gcatcaaaac	tcaagaaatg	tacatttaaa	68640
atgagtgcac	atgattgtaa	gtgaattata	cctcaatata	gttaattttt	taaaaatcat	68700
agattttctt	atatttaatg	catgaacata	aacctaagac	actcctccac	tccaaaactt	68760
aattaccttg	tgatcagcag	agcagaaggt	actttgtgat	atataggtag	agaagatgaa	68820
gtcttgtgac	atttaacaag	ggacaggaaa	atggaccttg	tcctaagtta	ccaaactgca	68880
aaaatatcac	ctacaaaggc	tattcataac	atacattttc	aaggggggta	caatatttgc	68940
ctactataaa	attttggatc	tgtaaagggg	ttaaattatt	tgtgcagggg	aataaacatc	69000
aaagaaacat	taagagggtc	agagaagtaa	aataggaagg	gtcttttggc	tagaggagat	69060
atttaacttt	cagaacatgt	ggaattaagt	tgtattgatt	atgatctgat	cttcttcccc	69120
ctaaatttga	tcctcttctt	gtaatctatt	gtttccatca	tcttcaactc	ttccctttcc	69180
ctctcccttg	tccctcagtt	ctagtcaatc	acaaagtcct	acagtttcac	tttctgtata	69240
ccttatttct	ggaattcatc	tctagacttc	aaaatatata	tatatatatt	tttttttgag	69300
atggagtctc	gctctgttgc	ccaggctgga	gtgccgtggg	gcaatctcag	ctcacagcag	69360
cctctgccac	ccaggttcaa	gcgattctcc	tagttcagcc	tcctgagtag	ctgggattac	69420
aggcatctgc	caccacgcct	ggttaatatt	tgtattttca	gtagagatgg	ggtttcgcca	69480
tgttggccag	gctgatctcg	aactcctgac	ctcagggtgat	ccacccgcgt	cagcctccca	69540
aagtgcctgga	attacaggtg	tgagccactg	cttccagccc	aaaatatctt	aagtagataa	69600
ttgcacgact	aatctctgct	tttctctccc	agcagccttc	caaattcatg	tctcacagct	69660
gacagagttg	ttcctgcctt	cagattcatg	acctggctct	gtgttccagc	tcaggctttc	69720

p11089.ST25.txt

tctctcatat	cacctcttgc	ctctctgttg	cccccatatt	ttcccctctg	gttggttggt	69780
gctccttttg	aaccctctgc	atatcttttc	aagaatatta	tgacttatta	tgccataaaa	69840
ctttgtttta	ttattttatt	ctaaaatttg	acaggggaact	ttccgaaggc	aggtattgtg	69900
tctttctcat	ttaaaagcaa	attctcgcct	ggcatggttg	ctcatgcctg	taatcccaca	69960
ctttgggagg	ctaagggtga	cagatcactt	gagcctagga	gttcatgacc	agcctgggca	70020
acacagttag	acaaaaaaa	aaatatatac	gaaaattagc	ctggcatggt	ggcacacccc	70080
cgtagtctca	gctagtctgg	tagctgaggt	gagaggatca	cttgagcctg	gatgggttag	70140
gttgacagtga	gctgtgattg	tatcactgca	ctccagcctg	ggcaaaaaag	taagatcctg	70200
tctcaaaaaa	aaaaaaaaaa	aaaattagtg	aatcctcagt	gtttaaaaag	tccataaaca	70260
tactaaacat	agaagacctc	caaatgaaat	taatcaatta	ttatttagtg	ggttgcttct	70320
cttttgTTTT	aatatagttt	taacaaagag	taaaagttat	gatcttttta	tatgtaaaat	70380
aaataatgcc	gggtttgaca	taaatttttag	gaaaactaga	gacgctactt	cctaaaaatt	70440
ttctttctat	aatcttccta	aatatttttc	cataaagtac	aaaataatag	aaaaaaatta	70500
agagattgag	tatcctttca	ggaagtgata	tgacaaatag	ggttcgagaa	ctatttgaat	70560
tctcaccact	tttcataagg	gcagatctca	agttaaattt	ttctattcga	atttaaatga	70620
ctttcactgg	aataccatta	cagaaaagct	tctgtgttta	gatggcaata	tggagtttct	70680
tttcttgga	tattaattga	aggagaagtc	ttaatttttt	aagtctatat	ctccgtatat	70740
atttgaacct	attttatatg	ttagtccttc	tcttttagtaa	ccttcatcca	cagtgaacaa	70800
gatttaccct	tacctttaag	cagtagcggc	tactttatgt	gaagtgaaca	gctgcttttt	70860
ttatctgcat	ctagacatca	agtagtccag	agtcctttct	aacaccctag	caatagaagt	70920
aagaatattt	tgaccattcc	atgacttgat	gatacttcta	gtaataatac	tgtattatta	70980
aaaacaaaca	aacctttgtg	cagtggtaat	tgaagcagtt	ccttggggac	atgtattaag	71040
tacttttttag	cagttaagtc	cactctctgt	aggttaagga	atatttaaata	aaaataatgt	71100
ggcaaatgag	ttcaagatga	taaatgcgat	gagaactaaa	acagctttta	ttttatgtgg	71160
gaaataaata	gaggaaaagt	acattacagg	gctcctggac	ttatttcttt	cttcaaagtg	71220
tttctcctag	cgaatattat	tactattttt	tctcttaagt	aaaaaatata	caaagtatga	71280
atctacacag	gataataata	ttgaagttaa	ggatgatgtc	tcctccttca	ctctccaaaa	71340
tactattttac	ttggcttcat	ggaaatctct	ctcactccaa	ttccaccgtg	tcaactgagg	71400
tcttctgttc	tttctctccc	tatagcatat	tcctgttaca	taaatcctaa	actgtgtcgt	71460
gttagtcaca	cactgtaacc	tctagataag	cgcctgtcca	gaggttctca	atcagagcct	71520
tgcaaatatg	tattaaatca	atgggtcatc	ttcagtgtct	cagtggggcc	ttggatatgt	71580
tttgacagact	gctgtgagta	tgtagggatg	tccagtatcg	agggaagtgt	ggatggcctt	71640
cattggttct	tatagggtcg	aagaacacat	agagcagtaa	gcacttctac	tgtagggaga	71700
gatcgagctt	ctcccatccc	cactgctggc	accaccacca	ccctacaccc	cattttgagt	71760

p11089.ST25.txt

tctgaaagtg	aatccttgag	aaagaacaca	caaaacaacc	atcataatag	tgggcacagc	71820
tgtgggtggt	agaataacat	tcccaagctt	cttttcctac	acatgattaa	tattaattca	71880
gcaaacattt	attcagctcc	tactttttaa	caggcactat	tctaggtact	aaagacatag	71940
aggcaaagca	tacaagactc	tgccctttgt	aaacaattaa	gaaataagta	aaaagaaaag	72000
aaacagaaaa	ggcaatttgg	atagtgtcag	gtgctataaa	gaaaacaaaa	tgccatttta	72060
ataaataata	ataatacaat	gttttcatac	tatgtgctag	acactatgct	agtaggtatt	72120
tatagacata	acctcaatta	atcctcaaaa	tggcatgttg	atatcaatac	cccaagttta	72180
catatgagac	ttaagatgtc	tgagtatatt	cccccaggta	acaattaata	tgacaataa	72240
aactttttgc	tcattcattt	attaacctat	gttgattgag	tacctatttt	gtgtcaggca	72300
tcattttaag	gcacctggat	atagttatga	acaaacaaat	aaaaatctct	gccctcaa	72360
aattaatatc	tcacagaggt	taggcaaaat	ataatcagaa	aataagtata	acgtatagga	72420
tgccagatca	tgaaagaagc	tatgaatggc	atcaagaagc	tggaaaaggc	aaggagacag	72480
atcttctcct	agagtctcca	aaacagaaca	cagtcctgcc	gacaccttaa	ctttaggcta	72540
gtgagacccc	tattggactt	cagacttaca	atcccacaat	gtaataaatt	tgtggtaatt	72600
cagtagggga	acaatagaaa	actaatacga	tatcaaaaca	aattatatca	tagaacaaga	72660
aaatgtaatt	gtgacaaata	atacctacaa	aaatgttgta	aatgctaggc	aaataatgtg	72720
tttaaagcac	ttagggcaat	gttcaacgta	aagtaattca	tgctataata	tcatcatcat	72780
cattaccaat	atttaggggc	tctaacaaat	gatgtacgtg	taagcagatg	taagaaaatt	72840
tccttgctga	agaggaggta	ttaatagagt	atataacaat	agataacaaa	ttccaaataa	72900
aggcaaaacta	aatgttttat	tggattaaat	ttaattttta	aaactacaag	aggccgggcg	72960
cggtaggctca	cgcctgtaat	cccagcactt	tgggaaggctg	aggtaggggtg	atcacgaggt	73020
caggagatcg	agaccatcct	ggccaacatg	gtgaaacgct	gtctctacta	aaaatacaaa	73080
aattagctgg	gcctgggtggc	gcgtgcctgt	aatctcagct	atttgggagg	ctgaggcaag	73140
agaatcactt	gaacaaccaa	ggagtgcgag	gttgcagtga	gccaagattg	tgccactgca	73200
ctccagcctg	gcaacagagt	gagatcccgt	ctcaacaaca	acaacaacaa	caacaacaac	73260
aacaacaaaa	ctgtgagatc	catggtgggc	ttttaagagg	aaaatgcaag	ctaaggtttg	73320
tttagactct	gagtactgca	tgtgtaaaaa	taaaggcatg	atgaaaagat	caagagatta	73380
gagtgatact	ttttatctac	tagtgtcaga	gtcatgacca	ggggattggc	tatgagaata	73440
cataagctgt	gccaggagta	atccaaggag	attgtttcaa	tttgggaagag	tgtccacaga	73500
atgattctca	tactagacgt	tgggctattg	taaagaaagt	tggtaggtac	tccatcgcta	73560
ggatcatatc	aggagagaaat	tgaacaggat	ggccctaata	accctgttgt	accctagct	73620
tatggattag	gcaagtcact	tctactcgta	taccctgttt	ccccatttgt	aaataagagg	73680
atgtgttact	ctaaggatct	ctaagattct	ttgcagttgt	taaattgcat	agctctccac	73740

p11089.ST25.txt

tgattccatg	gtggaaat	gctattctat	tacaaatatt	ctaaatgtat	gagatatcag	73800
acatactcat	ttaaaaaaca	aaatacaaaa	aataagtatt	ctacaaataa	acacagataa	73860
tgtttaaatt	ctatatgtct	ttgtttctct	tcagaagcat	ccaaaataca	aaccatctaa	73920
gaggcaagaa	aatgtcgtga	tgttcctagt	gcaagttaaa	aagatttgct	ttcctcaagt	73980
cggaaagccc	ttctcatttt	tgagggtttt	ttcttctttt	ttttttcaag	tgaaagcatt	74040
ttggaggagt	caatatccat	ctttaaaggt	agccagggtca	catgtataca	tatgtaacta	74100
acctgcacaa	tgtgcacatg	taccctaaaa	cttaaagtat	aatttaaaaa	aaaaagaatt	74160
taaataaaaa	aagaaaatca	gagagaaaaa	aaaaaaagat	gcatgtgcac	cctgatacta	74220
ccatccatag	tgatacgggt	tggctttgtg	tccccaccca	aatctcatct	tgaattgtaa	74280
cccccatgtg	ttgagggagg	gaccttatgg	gagggtgattg	gatcatgggg	gtagtttctc	74340
catgctgttc	tcatgatagt	gaatgagttc	tcataagatc	taatggttta	aatcatggc	74400
acttcctttt	gctctctctt	tctcctgcca	tgtgaggtgt	gccttgcttc	cccttcccct	74460
tctgctatga	ttgtaagttt	cctgaggcct	cctcagctat	gcagaactgt	gagtcaatta	74520
aacttcctttc	tttataaaaa	aaaaaaaaaa	aaaaaaaaag	tagccaggta	aaaattactt	74580
gtttccagga	cattttcacc	tgaaagaagc	attgtcatat	aacatagaag	caagaaatcc	74640
agtagtgggg	gttattttaa	aatagctgga	aaattttcaat	cagcatgagt	ttgaagcaac	74700
aatttatcat	caccttttat	ggtgggtggg	gttaagaaca	tttcagcggg	caaagtgggtg	74760
gtgatgggga	agagacacca	ggggaggtga	ttcccattgc	attgctttgt	aaacagaggc	74820
acaggttctt	catttttgtc	acacaaaatc	acagctatgc	agaatttatt	aatttattct	74880
tctgagacaa	gaaaaaagcc	accaaaggaa	accaacagct	tgctcctctc	acactggggg	74940
aaccgtatga	gagacttatc	tatccctgac	tttaattttg	acctgaggag	agctcctctt	75000
aaggaaaaca	aattaattca	atgactatac	tacttaatca	ttgaccttta	tttaataaga	75060
gatttttcca	taggatatgc	tgagctgtct	cacttacatc	agttgtgtct	cctgaggtgg	75120
gtgacaggag	accacaaata	ttgcatagca	cacaaatcgt	taatagcagc	tgtataccaa	75180
accattacct	aaatatgtag	agtacaattc	attctcacta	atgtcagaga	gcatgctata	75240
aaatggtgaa	tccggacagc	tgaagatact	gaataataac	ctctattttg	aacaagttta	75300
cagtgttcca	atcagtaatt	aaattgatac	ctgatgaata	tatgtgtgtg	tatgtattca	75360
tagcagagat	ggttttcctg	agataaggat	tttgttattc	ggataggctg	ctgctggaat	75420
tgctcttcta	cccttgtttc	ttgttcctta	gtcatcactc	atacctcttt	ccactcttct	75480
gccatcactt	ttgtcaccaa	agtcatggtc	ctttccccgc	cgattgctgc	tgcagggtcta	75540
gggcaccaag	acttaggcag	cactcaccat	gtgccaagaa	ctggaccaca	ggtaccatcc	75600
agcattgctc	atggagactc	tgtccctttc	tgtaggacac	cctcctttta	gctagcaacc	75660
cctccaccac	ctagagcctc	tggacctctc	attttaatat	taagaactag	gaaaacttac	75720
cgctgagaat	aactagtaca	actagaactg	gtagagaaat	ctgggtctct	tgggaatgga	75780

p11089.ST25.txt

tttttaggct	ttattgatta	gaggtgtatt	aataatgcag	tgttatagtt	tcatgacata	75840
acgaataaaa	aagttcat	tggacttgcc	tttcagctcc	ctaggagcta	aaagacgtat	75900
ttaatgtaac	ttgtgtggtg	gaaataagtt	cttttttcag	gcaaaagatg	tgcaaacc	75960
tctggggaag	aaacattaaa	aactaaggag	acagtgtcct	agataactat	gttcttttcc	76020
tgtttttagtc	taaaataatg	attagttttc	ttatatatct	tcatttgtct	tggttccttt	76080
tagcccaatt	taataatatt	attgcagata	ttgatgaaaa	cctttacctt	cctcttaatt	76140
catcaaagta	cttgataaaa	tttatacata	gtacattaat	tgggaggttt	ttatgagatt	76200
aattaatata	atgaactgat	gttgaaatta	tttaaacct	gaattattat	tgtattaagt	76260
aggacactta	atacagttaa	tcagttctgt	ctttattcat	ttgtgagaat	ttttggcaag	76320
ctattgtgaa	tattcagga	aggaatgta	tttttagcag	gaatcttata	cctcctacat	76380
agaaatgaag	catttactga	aacatccatg	aaacaaaatg	tttctgaatg	tgtactatac	76440
acttgttata	agcccccttt	cttctgtagc	tatatatttg	agaaaaatct	ttgctttgac	76500
aaaaaaaatt	atgttgactt	acacatatat	tttataacta	agcagtgttt	ggtttgtgat	76560
aaaggataca	aaaatataaa	aatgttcagc	acacgtaagt	aaggccttgt	tgacaatgtg	76620
agttatgcta	ctggatactc	aaaaggaaca	ttcagtgttc	tcaggtggtc	tctagactgt	76680
ctcaagccta	ggaagatatt	ttataagcaa	aggaataaga	gaaggaagat	tcagatttaa	76740
tccaagtga	gaattcagtt	ttgtgtgcct	tatcctgtta	ttttgagagg	cagccaaaag	76800
atgctggta	gcaaggagaa	ttgtaagttg	ggcagccaac	tctgatttct	caacctctta	76860
gctgttttct	taaactcaga	atttttaatg	aatttaaagt	tccatatcag	gtagactttg	76920
gggatgcttt	taccagtgat	tttcagaatg	ttactttctg	gcatttcttt	tcacgtagca	76980
ttatatataa	aatgaattca	ttcatccacc	ttcccttgct	cttactaatt	ttccctccta	77040
ctcccttccc	ccttgttctt	gccatgggga	catgcaaaca	ctggtgggtg	atgtctgagc	77100
aaggctgctg	acagggggag	gaaggagatg	tcaagcagag	gtcaatggca	gtgtgcccag	77160
cagcctagga	agtaggaggg	aaaagagaga	gagacagaga	tggtggatga	aagagaaagc	77220
caggatgatt	atggtgggta	tgatacttgt	catgctgaac	acccaattga	gcaccaata	77280
agcacataat	aatttaata	tcctctggct	tggtggcag	tgttctatca	gtgttgactt	77340
cctggttggtg	acagttttac	agtgttagtg	tagaagagaa	tccttgcttt	agagaggtac	77400
ttactgaagt	acttaggggt	aatgcaccat	tgtgctggaa	aaagatacgc	acacacacgc	77460
acacacacac	acacacacac	tcacacacac	gcacaaatac	atccatgtgt	taggcagagg	77520
gagcaaatga	ggtaaaatgt	taataattag	gaattctggg	tgaagtggat	agagggactc	77580
tttgactgtt	cttgaaactt	ctctatacat	ttgatctgtt	tcaaattctt	cagaaaatca	77640
aactacaaaa	acttaattca	tttagtgaac	atctactgaa	catctgtata	ttaaatagtg	77700
ttaaataaat	gtcaattaaa	atgctcaaac	acagtagagg	ttgattctca	ttcacataag	77760

p11089.ST25.txt

tccatggtag	gtgttttttg	caggtgggtg	agtttctccc	ttagggagat	tgaggaaccc	77820
agactcctcc	caagttgcag	ccccaccgtc	ttctgagggg	atgcatccat	accacttcg	77880
aagtagcata	cattatttcc	tttctcattc	ctttggatac	cagccacaat	ttattcaagg	77940
tagacagaaa	attgtagtat	atagccatat	gccctgacaa	agaagggaga	acagattttg	78000
gtggacaact	agcaaactct	gatacaatct	gttattaagc	actgtgtgtg	gatagatgct	78060
aactagaagg	agattatctt	cccttcagca	aatataaact	gaatgccgtt	tatttggttg	78120
aaactaagct	agatcatggg	agtatagaaa	ttttataaga	agacatagtc	acttctgtca	78180
gtgagctcaa	gaagaattag	tatgcggaat	gtaatcatac	ctacaggggg	cttgtgccac	78240
ttaagtaaaa	tgaaacatta	ttttgagtac	aatttagcaa	taaatgtact	acgagatcat	78300
taaaaatcat	gtttgaatgt	tattgtgtca	aggatgggaa	aaagactttt	gggttgtaga	78360
cttgataatt	atagttaaaa	acagttttta	ttcttgttta	gtcttatttt	ttatgtttta	78420
acatatttat	acttgctaac	atttatactt	gctaagtaaa	gactgttttt	acaaccatga	78480
caagaacaaa	acatattagt	aatgcaaatg	ccacatttcc	tacaatcaac	taatcacact	78540
aacatatttg	catggaagaa	tacttgggat	tgatctggcc	acgtgtgtag	tcatgcccaa	78600
aatgtgaagt	ccatctgttt	tgcaattttt	tttaaccact	gttatccaaa	tgctccttgg	78660
atttttttta	ttagtggata	tattttggag	gtcagacacc	ctcttggcta	gatcatcacc	78720
tttataacaa	atatatatac	tattctcatg	gaaatatatt	tagacgttgc	cctactggga	78780
atttttttca	agtaattaat	gtacagcttg	tgcaacagct	tgatcttggc	ttcatggaaa	78840
taattcactc	ttagcagcat	ctaagccac	aaagcattta	tggatgtcag	ctcagaactt	78900
acttttattt	atctctgagt	tacttttttt	tttttttttt	ttttgagaca	gagtctcact	78960
ctgtcttttg	cttgtcccta	acctcttaac	agacttaata	ttaagctcca	tttactcag	79020
tcgttctgtt	gtcatataaa	tgagacattc	tacaagcata	gttttttagtt	tctgccagag	79080
catcatacaa	cattgtgagc	tatgatgaag	ataaagacct	agagaagata	tttaatatga	79140
agttcattat	ctaataattg	gtatgtgttg	caaaatagca	atctactgct	tggttctgct	79200
gtaatctatt	taccaccca	tcccatcttt	ctttcaattt	aaaaggataa	tgattttagt	79260
cacgattata	cataaaccca	ttaccatagg	caataaacaa	tggggcaaac	cattggtccc	79320
atagttggag	tgtggtctga	agtgtgtttt	ggaggagaga	gatctatgtc	tggagatagc	79380
taacatggat	ttggatccca	gatctgctcc	tacctgttgc	tgtgcctgtg	accaaactat	79440
gtgatctctc	tggtttcagt	ttacttgtga	ataaagtaaa	taccttcac	aacacctgtt	79500
tttgaataca	atgtttttct	gtaatttttg	cttcttataa	tgttataatg	atcatcctta	79560
catctaaatc	ttggtttaca	ttttcatcaa	ttcttttgga	aagattggag	aagtaaattt	79620
tggagatgta	tgtcggctat	taaaaatgtt	taatttttta	attaaaaatt	aaaacgttga	79680
aaaatcctga	tgcaaaataa	atgcattatg	cttagtgaac	tcttctcatt	tcgaagttaa	79740
ttcaccttct	tgtttttgca	agtttcctga	aaaatgcata	taaagtcact	aagttagcag	79800

p11089.ST25.txt

aactttataa	aattatataa	ctatatataa	tcttttgata	tcagtgaagc	cagctgatcc	79860
tatagaaata	atgtaggaat	tataatcact	agcacataat	ttaagagtcc	tgtggtctta	79920
ttcatgttat	ttaccctctc	tgaatcttac	atatagtaag	agggttatta	tacataatat	79980
gtgtacatgt	atacaggtaa	gtaagtatat	atgcttatgt	gtaaaagcag	agttattgtg	80040
agagtcaaat	ggaaatgtga	aagtactttg	tagtttttta	ttactattat	taatttttaa	80100
taaaatggta	acattcattt	aataatcatt	agttttaact	tcagattgta	ctggatttcc	80160
tctagtattt	cttaagatta	gtgaataaag	tatttctcct	aataaatata	ttgactactg	80220
tctttcgatc	aaacatatta	ggatatattt	tacagtagca	tcaggcagtg	aaaatttgaa	80280
gctctttata	gaggactgat	ttatgatgaa	aaggaataac	atgaacaaat	ggaattatat	80340
gaagcttccc	cagaaatatc	taagaggggc	caattttaag	aaatatctga	cttctttttc	80400
atggacattt	caaaataaac	ctaactcata	tggtagagtt	tttaagaggg	aaaagaaaaa	80460
accatctgag	aatctctgga	attctgccga	aagtatcact	tggcatttta	ttctaccttc	80520
tggatgcagt	tgattgacag	tagtgttatg	atgccagggg	tatagtgact	agaaaaagaa	80580
aaccagggaa	ttcagtgttc	ttgctcatga	agaacagctt	ggttctttta	aaacaatgag	80640
attttgccac	cccatctcac	aaacctatga	tttgtgagaa	caatcccttt	tgtgttgcaa	80700
gactttttaca	tttctcttcc	cacactatat	tagaagaata	aacattgctt	cataagtacc	80760
gattgatagt	ctcatttcat	atttttaaaa	tagagttact	ttaaggttta	atttttcatg	80820
tagattaa	tgactaagta	accattcaca	tatttcaaat	aaaatatatt	tttactacaa	80880
aaggaaaata	actagattct	taagtgttat	agtcaagtgt	aattgagtaa	tatgaattct	80940
aaatgaattt	ctaagatctg	ctcagctttc	actacttttag	gaaggaacaa	cttaagaaaa	81000
attttaataa	agatatctct	tcacacacat	ggcagtgttg	tacttagaga	acatgaccca	81060
aaatttttta	tgactgcata	ttgaattcct	gatactcttg	ggaagctcca	aaagcaccag	81120
tggagtttcc	agatgtaact	gtggctgcag	acccgccagt	cccgggtgtg	gaagggatca	81180
ttataggctc	ttgtgtgcag	actcatcttc	agaccagag	gaattaaata	acttgcccaa	81240
agtcgcacaa	ctttctcatg	gtaggttggg	cactagaata	aatattgctt	tttcttaaga	81300
gttttagcct	ccgtattatg	aaatcttcta	tgttctgctg	atgatatctc	ccttcttcat	81360
ctgttttcta	tttttaagca	atggaaatac	aaacttgcaa	ctccccattt	ccaacacaac	81420
ttagaaaaaa	caatatttaa	agaaaaaatt	acaggcatct	catctccttt	acctgacaga	81480
tgcttgatag	taatggcctc	tagatagggg	tgacatctaa	tataaatgtg	tcctttcaag	81540
tcaagctttc	tctgttcatt	agtagaaata	ttgtatatca	agtgtgcaaa	aattttcttc	81600
aacagggagc	tttgtttccc	tccttttatt	ataacaatct	gagctttgtg	gtcccagggg	81660
ctcctagtgc	ctgtcttttag	gtctgtttat	tcacatgaag	aaagcatgtc	atatagtatt	81720
atctaagact	caggctgctt	atgcatgatg	acagaagggg	tcccaggcac	aaacattcat	81780

p11089.ST25.txt

ccatgcattc atccatccac ctattcatcc attgatttgg ctgataatta ttgactactg 81840
ttgagttgcc ctcagattta gtttctgtcc ttctgccatg gggaaatatg gggttaagcc 81900
acaacatact cttctcttct ttttctgcac cttcttagta tatttagttc cattttgtct 81960
agccctgcct ctgacttctt tgttgacttt cagggttttt atcattgaaa gttatttctg 82020
gatcatagat cattctcttg gtcactttgc ttgttcactt ataaaattaa ttcagaaaaa 82080
atgacccaca gtaattactg taaatcacag accataaact ataatactgt atattgtatt 82140
atagtacaga aatatttata ctttaaaatg ttttaaatat agatattata aaaagatatg 82200
tctcatataa gtaatataaa tactttttta ttacctcttc tctccctatt ctccaggcca 82260
gtgtttttaa aatccatctt tatatgtcca tcttgaaaaa aactcatgat cataaatgag 82320
tttctcaata gagtttataa gccacagtt gaaacacaat tgtcttagca tccatttagt 82380
tgtcactact ttaagattta atggcaaata ttatgttttg tttcttcaaa agaaatattt 82440
taaaatttta gtaaaggcag ttagagaagg tagagataat ggactgttta atcctacttt 82500
tcatcccaca agtgaacaaa aaaatgataa aacatttttc ccaaaatgta gctttaacta 82560
tacttaaatt tggactaaaa tgggagatat cttttctact attgaaaagc cgtgtctgta 82620
gattaatgct aaaatcgggt gtaaaagcaa aatttgtttg gcttgattgc caatggccca 82680
ttcatttggc tacagaaaca atagcacata gcaacagata atgatgtgag atcacctagc 82740
tcaagtaaga gtgtctgatc cgtcaaaaat atatacatca agattcaaaa gaaatgtgtg 82800
ttttctcaag tcatctctgt aaaaatacat taaatagagg aatagaagtt tgactttgaa 82860
aatacattgc agacccaatc cgtctttcct attttctggt gaaaagtatc aaatatgtgg 82920
aacctggaac tgctattctc cttcttaaaa atctttctta atattctatt gataactggt 82980
gcaagcctaa ctttttgtct tacccgattc ttctcacacc aaagtgatag gaccttcagg 83040
tagcctttgg atagaagata aataataatt taactattga tggaggttag tattagaatt 83100
agacttgga gtctatggaa taaaatgatt ctacaacaat ttgtacttca gacattagta 83160
taacaaaaca tgtttgcccg tgcattcgga aacaaccaat ttcattgtga tgcttatatt 83220
cacaaaggag taaccacctg gggtttccca ctgttgctcc agagaaaact agcagcagga 83280
gaacttctct gaaggatatc agacatcttt aaaaaacact tgtaagtgtg tggttcagct 83340
aaagcagggg gttttcagtt agtaatggct tttaaaaatt aaaacaagtt tagcatgtag 83400
gtcatthaacc ttgaatcact gtcattgatta ttattaacca tctgttctca aatcgaaaga 83460
tatttttctt ttctagatca catttattct cacattgctc aatttcacta tatatcaaga 83520
catgaaaact gtaaaaatca caccttctac attattattt ttattgaaaa attcctaattg 83580
aaacagtgcg ctctgggata gagaaaggaa ctaactgaca ttttgcttct taacttgttt 83640
ttatgcaagt tctaagtggg ttctggccat gtacataaaa gacaaatatc tggaaaaaaa 83700
actagcagaa gtcagttatt tggctctatc tactttgaga attatgttat ataaatgtta 83760
ggaaattttt tgtaatatc ttatttagaa atgaaatata aaaagtttta aaaatatcta 83820

p11089.ST25.txt

aggacagtat	acagtcctaa	agtaaagctg	ttaggtaaat	gctacacaat	cctcttatta	83880
cagagtcact	tacctgagaa	tataagaaga	gggcctcttg	tttaagagta	aatgtgagct	83940
gcaatcagga	ttctgcactc	atttgacac	ttagttttgt	ttttccatga	ctgggtgtgc	84000
ctgttactga	gacacctacc	tgtcatgtga	ccacagctta	tgttacaatg	tgtctagtca	84060
gacttagaga	tgtgtgaaag	agcagtacct	agacgggaaa	ctatgggtct	ataaagggtt	84120
tgccttcttg	ggcggagttc	aaactaggaa	gccacaaaac	ttccagttgc	attttcacag	84180
attaatgaaa	tatatatttac	acttttcctg	aaagatatatt	tattttgtgca	aaccttggtta	84240
caaagtacag	ccagttgatt	aatcgatgaa	gtgatttgta	gtggatttctt	atattttgtg	84300
taaggggtata	tgtgaggccc	tatatatgag	gctttctata	taatgaagta	taattcagtt	84360
cagcatttca	attcagcaat	cacttattgg	gcctctactc	agttgccttc	agggctttat	84420
aatttaattg	ataaaggagg	gttaattaat	taattataac	aacagatcgc	ttaatagtgt	84480
aactactaat	ttaattaatg	acaaataaca	atacattaaa	agaaatgcat	taataaaaaat	84540
aatatatattg	tgttatagac	aataattttc	tgattaactt	tattattatt	atttcaatag	84600
cttttgggga	gcaggtggtt	tttggttata	tggagaagtt	gtttaggtat	gatttctgag	84660
attttgggtac	actcataacc	tgagcagcat	acactgcacc	caatgtgtag	tctttcattc	84720
ctcaccttcc	tcccaccctt	cccctcaagt	ctccagagtc	cattatatca	ttcttatgcc	84780
tttgcatcct	ttagtttagg	tggcagttat	aaatgagaac	atgtaatggt	tggttttcca	84840
ctcctgagtt	acttcactta	gaataatggt	ctccaactct	atctacgtag	ctacaaatgc	84900
cattattttg	ttccttttta	tggctgagta	gtattccata	gcatccacac	acacccccct	84960
atgctttata	tatatatgta	aatatatcac	attttcttta	tccactcatt	ggttgatggg	85020
tatttaggct	ggttccatat	ttttgcaatt	gtgaattgtg	cagctataaa	catgcatgtg	85080
caagtgtctt	tttcatataa	tgacttcttt	tcctctgggt	agatacctag	gagtgggatc	85140
gctggaacaa	atgattgttc	tacttttagt	tctttaagga	atctccataa	cttttccatg	85200
gtggttgtag	tagtttacat	tcctaccagc	agtgtaaaaa	aatgttccct	ttttaccact	85260
tccatgccaa	cgtttatttt	tttatttttt	aattatggca	attcttgcag	gagtaagggtg	85320
gtatcacatt	gtggttttga	tttgcatctc	cctggtcatt	aaagatgttg	agcatttttt	85380
catatgtttg	ttggctgttt	gtctatcttc	ttttgagaat	tgtctattca	tgtccttagc	85440
ccactttttg	ataggattat	ttgttttttc	ttactgattt	gtttgagttc	cttgtagatt	85500
ctggatatta	gtcctttgtc	agatggatag	tttgagata	tttctcccat	tctgtgggtt	85560
gtctgtttac	tctgatgatt	atttcttttg	ctgtgcagaa	gctttatagt	tttaggtccc	85620
atctatttat	cttttttggt	gttggtgcat	ttgcttttgg	tttcttggtc	atgaactctt	85680
tgcttaagcc	agtgtctaga	agagttttac	caatgttatc	ttctataatt	tttaagggtt	85740
tgggtcttag	atttaagtct	ttgatccatc	ttgagtggat	ttttgtataa	gttgagagat	85800

p11089.ST25.txt

gaggatccag cttcattctt ctacatgtgg cttgcccaatt atcccaacac catttggtga 85860
ataggatgtc ctttccccac cttatgtttt tgtttgcttt gttgaagatc agttggctgt 85920
aagtatttag ctttatttct ggattttcta ttctgctcca ttgatctaca tgtctatttt 85980
tatagtagta ccatgctggt ttcctaacta tagtcttgta gtatagtttg aagttgggta 86040
atctagtgcc tccagatttg ttattttttg cttagtcttg ctttggctgt atgggctgtt 86100
gttttggtcc atgtgaattt taagattttt tttcttggtc tttgaagaat gatgggtggca 86160
ttttgatggg agtcgcattg aatttataga ttgttttttg cagtgtgctc attttcacia 86220
tattgattct gccaatccat gaataaggga tgtgttttca ttagtttctg ttgtctgtga 86280
tttctttcag caatattttg tagttttcct gtagagatct tccacctctt tggttaggta 86340
tattcctaag catttttttt ttttgcagct gttgtaaaaa ggctcagggt ctttaatttg 86400
ttctcagttt tgttgctggt ggtgtatagc actggtactg atttggtgtac attgattttg 86460
tatctggaaa ctttactgaa ttaacttatc agatctagga gcttttttga tgagtcttta 86520
ggttttctag gtatacaaac atatcatcgg caaagagcaa cagtttgact tcctctttag 86580
cagtttggat gctctttatt tctttctctt gtctgattgc tctggctagg atttccagta 86640
ctatgttgaa tagaagtggg gaaagcaggc attcttgtct tattccagtt ctcgggggaa 86700
atgctttcaa attttcccc cttcaatata atgttggtg tgggtttgtc ataagtggct 86760
tttattacct taagggtgtg atcttatatg ccagttttgc tgagggtttt aatcataaag 86820
caatactgaa ttttgtcaaa tgctttttct gcatctattg agtttatcat atgatttttg 86880
tttttactcc tgcttatatg gtgtatcaca ttatttgact tgcataatgt aaagcaacc 86940
tgcatccccg gtatgaaacc cacctgatca tgggtgatta tctttttgat atgctgctgg 87000
attcatttag ctagtatttt attgaggatt ttacatctc tgttcacag ggatattggg 87060
ctgtagtttt ctttttttgt tatgtccttt tctggttttg atattagggg aatactggct 87120
tcatagaatg atttagggag gattccctct gtctctatct tttggaacag tttcaataga 87180
atgtgtacca atttttcttt gaatttctga tagcattcac ctgtgaatcc atctggtcct 87240
agactttttt tgtttcctga catttttctt attattgttt cactctcact atgcattatt 87300
ggctctgtta taatttctat ttcttcctgt tttaatctag gaggtttgta tataatgcagg 87360
aatttggtcca tctcttcttg gttttctagt ttgtgtacgt aaatgtgttc acagtagtct 87420
tgaataatct tttttatttc tgtgggtatc gttgtagtat ctcccatctt atttctaatt 87480
gagcttggtt agatcttttt tcttgttttc ttggttaatc ttgccaatgg tctattgatt 87540
ttgtttatct tttcaaagaa gcagggtttt gtttcattta tcttttgat tgtattttgt 87600
gtttcaattt tatttattta tttatttatt tttattttta ttttttgaga tggagtctca 87660
ctcttggtac ccaggctgga atgcaacagt atgatcttgg ctactgcaa catctgcctt 87720
ccaggttcaa gtgattctct tgcctcagct gcccgagtag ctgggactac aggtgcctgc 87780
caccacacct ggctaatttt tgtattttta gtagagacgg ggtttcacca tgttggccag 87840

p11089.ST25.txt

gcagggtctca aactcctgac ttatggtgat ccgcctgcct tggcctccca aagtgctgcg 87900
attacagggtg tgagccacca cactaagact caattttatt tatttctatt ctgatctttg 87960
ttatttcttt tcttctgctg ggtttgggtt tgctttgtct tgtttttcca gttcctagag 88020
gtgtaagctc agattgtcta tttgtgctct ttcagacttt ttgatgtaga tatttaatgc 88080
tatgaacttt gctcttaaca tggcttttgc tgtatcccag aggttgatgat aggttttgtc 88140
attattattg ttgaattcaa atatttttaa aattttcatc tttcttgatt tcattgttga 88200
cccaaagatc attcaggagc agattattcg atttccatgt atttgatag ttttgagggt 88260
ttcttttgga gttaattttt aattttattc cactgtgggtc tgagagaata cttgatataa 88320
ttttgatttt cttaaattta ttgagacttg ttcatatggt ctgtcttgga gaatattcca 88380
tgtgttgatg aaaaggatgt agttgttggg taggattttt tgtaaataatc tgttaagtcc 88440
atttgttcta gggatatagt taagtccatg tttctttgtt gactttctgt cttgatgacc 88500
tgtctagtgc tgtcagtga gtactgaagt cccccactat tattgtgttg ctgtctatct 88560
catgtcttag gtctagtagt gattgcttta taaatttggg agcccaagtg ttagatgcat 88620
atacacttaa gattgtaaat ttttctgtt gaactaatta ttttatcatt atataatgtc 88680
tctctttgtc ttttttaatt gttgttgctt taaaatcttt tttgtctgat ataagaattg 88740
ctattctttc tcactttgag tttccatttg catggaatat ctttttccac ccctttacct 88800
taagtttatg tgagtcctta cgtgttaggt gagtctcttg aagacagcag atacttggtt 88860
gatggatttt tatccattct gccattctgt atcttttaag tggagcattt aggccattta 88920
cattcaacat tagtattgag gtatgaggta ctgttctatt catcatgata gttgttgctt 88980
caataccttc ttgttggtgc tgttggttaat tgtgttatta ttttatgggt cctgttaaat 89040
ttatgcttta aggaggttct attttgatgt attcaagtta ctgtttcaag atttagagct 89100
ccttttagca tttctcagtg ctggcttggt agtggcaaat tcagcatttg tttgtctgaa 89160
aaagacttta tctctctttc atttatgaag cttagtttca ctggatacaa aattcttggtc 89220
tgataattat tttgtttaag aggctaaata tagggcccaa tctcttctgg ctagcagggt 89280
ttatgctgag aaatctgcta ttaatctgct atgttttctt ttataggata cctgatgctt 89340
ttgcctcaca gctcttaaga ttctttcctt catcttgact ttagacaacc tgatggctgt 89400
gtgcccagggt ggtaatcttt ttgcattgaa tttcccagggt gttctttgtg cttcttatat 89460
ttggatatct agatctctag caagactagg aagtttttct tgattattcc ctcaaataag 89520
tccttaatga cccactata taacatgaaa tatctgttat tgggtactgag gtgctggcca 89580
caaacaattc tgtgtgtcct gaaaactctt cagaatattc gtcattctta gcaattgtta 89640
tccttagtggt tgggcttggc ttagagtgat acatctcata acagggcaac agaaagaacc 89700
aggaaccaag atttatataa cataagtcag taaaactaga ggcaccagag gtttacattt 89760
acattagggtt acattttcta acaggtagca aagcacatga atgaagttca gtggaaggcc 89820

p11089.ST25.txt

ttcctcagga	atccagtaaa	aaccaaacat	acacacacac	acacggacat	ccgtgaggca	89880
ggaagggatg	tccactatag	tacagacaag	catcctggaa	ggccatcaag	gagtaggtgg	89940
gtttcagttg	cctcaggaat	gtggcatgga	cccaaactaa	gtgagtacag	atacttgtca	90000
ttgaggagaa	gattcaaaat	agcatcctag	gtgtaaaaac	tgaggcacct	ggggcagggg	90060
aactaggtct	ctggaatgtt	ggcttaaaag	caccctctc	aggaaaggcc	tcatatgcca	90120
tgcagggggg	tatatatgtg	ttgtgggaca	cagatggcaa	ggagataatt	ctatgcacca	90180
ggctccacta	ctaacagga	aacagaccaa	cattaacaga	gacttaggta	aaaaggtagg	90240
tgcccagtg	tcagttctca	ggcacttcca	agatgcacct	aacagaaatg	taacttggtg	90300
tctatttgt	cctaggtcta	acaactgaag	agaagtgaat	tagtacctct	tgtggacaga	90360
gaaacagggg	cagagacca	ttacaaagct	gtctcagata	ggcatttgaa	gctgtttaag	90420
tatgtagagg	cttaagtcag	gctggttctg	aaatgtgaga	gaggggttaag	cttcatggga	90480
aatcagcagg	gtagtttgct	atTTTTtatt	ataaccaatc	tcacaatagt	ttgggacatc	90540
aaatatcaaa	ttgttgggaa	tatttatcca	tattagtctt	tttgccacta	atatttaaaa	90600
atagtttaca	atatacaaca	aaaagttgta	aaatttccat	ctccacttaa	tcgatcttat	90660
gtaacccata	caatacatca	aatgtccttt	ccccacttta	tgTTTTtatt	tgctttgtca	90720
aagatcactt	ggctgttagc	atttgggttt	atttctaggt	tctctattct	gttttattgg	90780
tctgtgtgcc	tatttttata	ccagtgccat	gctgttttgg	tgactatggc	cttatagtat	90840
agtttgaaag	caggtaatgt	gatgcctcca	gatttttctt	tttgcttaat	cttgctttgg	90900
ctatgtgggc	tcttttttgg	ttccatatga	atTTtaggat	tgTTTTtct	agttctgtga	90960
agaatgatgg	tggtattttg	atgggaattg	catttaattg	tagatttctc	ttggcagtat	91020
taccagggct	tttcttattt	tggcacctg	tgctgctgtc	tccttttcct	tctttctgct	91080
tctcttaacc	aactgttacc	tacacttcaa	tactttctga	gggcaattca	tcctccagta	91140
agtctccctg	aatcttctct	tccttcctg	gcttattata	tatccttcct	cttggttccc	91200
atagcaccta	tgcacacttc	tgtcattgca	cttgccaatt	tgTTTTataa	tgatctgctc	91260
atctgtctcc	tcacttagac	tatgagctca	ctgagagcaa	tggctgttgc	attcacctta	91320
tatcctcaac	accattctga	aggcaagaga	aagaataccc	agaggtggag	ctgggaagct	91380
ggttgtccaa	gtagtgaatg	actctagttt	gaattgaact	ctatagccag	tgggcaatgt	91440
ggatgtgttg	acagtttttt	aacaggggac	tagtgaaaac	acattttggg	tttagaaaaa	91500
attgcaagtc	tgatgacata	cataggagaa	gagattagag	ataggaattt	cacttcagaa	91560
atttaaccac	aagagcaagt	gacagatcac	ggaagtctga	accagactat	aaatgtgaga	91620
atagagaaaa	aagttaacaa	tttgggtgtg	aaagggcgag	ggagagaggt	gtgaagaatg	91680
actaagtgtg	gatctgtttt	taaggattga	atggaaattt	gagcatttta	gctaatacagg	91740
cctaataattg	agcaaagcaa	aactcttgca	aattgttatt	tcaagtgtgg	gctgagaaaa	91800
tgaaaaaata	taaattctca	cgttataacc	tcttcctgtg	gtctgatttg	atagaatcca	91860

p11089.ST25.txt

gccccattgc	ctccaaattc	cattgcatct	tagaccagca	aacacaagtg	aattctactt	91920
aaccccagaa	ttctgtatga	aaatcttact	gccttttttt	ttctaatacat	gtgtcaaagt	91980
gtgggaagaa	cttttattta	tgttttaata	aattgtcagt	ataaccattt	ttacttgaaa	92040
atattataat	ttttcaagta	aacaaattgt	ttctctaagt	tgaaaatttt	atgatggaat	92100
aaaagtattt	ttcctcaaaa	cacatagaaa	ttttacaaca	atatttttaga	gttaactaaa	92160
tgtttcttta	gtagtttagt	cacttaaaaa	gtgatatgat	tatgaaaata	cttaaacttt	92220
gtcttttaac	tattttcta	aatgctattg	gtataatttc	atatttttat	actgatcttt	92280
tctccaaact	ttagtaaaac	atacttctgt	aaaccctgc	ccacaaaact	gaagtccaca	92340
tttacttctg	aatgactgat	aagtttgtaa	aagtatgcat	gaatttcgtt	attaaattaa	92400
agtttttatt	atattttatg	cacaatggta	taaattatta	aattaatttt	caagcttata	92460
gaacattgat	aaagattgtc	attagaaaac	cctgagttga	ttgttataca	ttacataacc	92520
tttcattggg	ggattagtga	atatgttata	gggtgaccat	gaatccaaag	aatcaaagct	92580
ggctacagca	aacagagggg	caaaaggata	tggaaactatg	catgatccag	caaaacactc	92640
aatatctgtt	ttcctggaat	gttaaaagac	aaagaagaaa	acttggggaa	cactagatgc	92700
atatagttct	ggttcttta	gaataaaaat	atggggccggg	cccgggtggct	catgcctgta	92760
atcccagcac	tttggtggag	gccaaggcgg	gtggatcaca	aggttaggag	ttcaagacca	92820
gccaggccaa	catagtga	ccctgtctct	actaaaaata	caaaaaaaaa	ttacaaaaaa	92880
aatacaaaaa	aaaaaatagc	caggtgtggt	gacaggcacc	tgtattccca	gctacttggg	92940
aggctgaggc	aggagaatca	cttgaacccg	ggaggcagag	gttgacagtga	gccaagatag	93000
tgccactgtg	ctccagcctg	ggtgacatag	tgagactctg	tctcaaaaaa	aaaaaaaaga	93060
ataaaaacaa	gaatggtcag	agtcctagta	ccttgtccag	tgtagtgctg	ccttgagatt	93120
gcattgcaat	ctgtctgaga	gatagtaaaa	gaaagtgata	ccttccttag	ccctgtttct	93180
cttttagacta	tgctttcccc	tctccaagtt	aatatctctc	agtctaaagc	ctgggaaaag	93240
gtgccaat	tgtttttctt	tcttcctcac	acctcctaga	agttacactg	ggacactatt	93300
acttttttcc	aggctttggc	catgtgtatt	gttttgagag	gtcaacttcc	ttttttcttt	93360
cattctgcaa	atagttttga	gctgtcactc	tgtactaggt	gctataaaac	ttacaggtgc	93420
attttacatg	cctatttcct	ataggccacg	atttaacaaa	atgttcataa	atgagaatta	93480
ggagtgcattg	tattgaatca	ccacacatta	actgaacagc	tttcattggc	cagagactat	93540
attgacagtg	gagattcaaa	gataaactag	agaaatctca	tgcttaaata	actttctata	93600
ataaattata	taagagaagt	aggttcaggg	atcttgggag	ctcagaagca	ggatgagtta	93660
aacaaaagtt	ggattttg	tttagcttgg	tttcattatc	ctgaagggaag	agcctgaaat	93720
atagtgtagg	gtgcaagtag	tatatgtggg	tggcaatctc	gggaaacagg	agcatgtgat	93780
gaataaggag	aaaaagccaa	tataaaggta	ctgcattgag	ggcaatgagg	gctctaattc	93840

p11089.ST25.txt

tctgcacctt	ctcaagcatt	gtgcagattg	gttttctgga	ttatcagcct	gaaggacaaa	93900
acgaagaaac	agccatttagc	tcctgtctcc	cattgtctga	gagctgccac	taggatatta	93960
acttcctgaa	attctgcaga	aatctcctct	tactttggca	ctggagatgc	ccatacgag	94020
aaagcaaaaa	ggcacagcat	atttaaggaa	gctcataaga	aacagtgcac	ccagaagtgg	94080
cgagaattgg	aggaatggac	atgagactct	aagaaccagc	gcctttgatg	ttccttttga	94140
tctgttatgt	agctcttctt	gtacacaggt	gagcaaaggc	atgctggaca	aatggattca	94200
catgtgctaa	agcatggggc	aaaaaccaca	tattaattca	ggaaaagaca	agatgcgtgg	94260
ccctctctgt	ctctgtctaa	gggtgaatta	aagaggggat	atatgtacag	agtggcaggg	94320
caggacttga	gataagaagg	ctaggtgggt	gctctcatgc	tagtagcatt	atagtacagg	94380
tgatgagaag	ctcctgaaga	atcatcttaa	catttgtatt	ttagagcaac	agtattgagt	94440
tctgacttag	agacagcaaa	actaaagaca	gaaagactat	tttgattatt	aatgatgtag	94500
atataagaat	atcgtcaatg	tgaactaaag	catgaagcta	cttatgatat	atcattaaaa	94560
ggattttaact	gattggagac	aaacgagagg	gatggggaaa	agaattcatt	tgtttttagt	94620
tgctcttttt	ttcctactta	ttcctttgtt	ccgagtgtga	ataaactttg	taaactttta	94680
tactaaaaca	ttctgctcat	tcatacttat	ttctttgatg	aaacaaggaa	acccttgtat	94740
agttataaac	gtgtgaatca	atttaaatat	taggaaattt	ttttaaataa	agctagtttt	94800
ctgaagggga	aaaacttggg	tcaatttttt	gctggcaatc	tgctttgtga	tttttgaaca	94860
tgatatctac	atctagactc	atgttttgct	agctggaatt	ttttttcaaa	ttaacgctac	94920
cattattata	tgctttacta	tttagctttt	gcagccttgg	aaatctatga	ttaatacaaa	94980
taattctcta	tggcaatttt	aaaaatacat	gtaaaagcct	tcaatctaca	ttgctactgt	95040
gtcgtagcac	aaaaaaagaa	aatgtgatca	aattttaata	aatctacaa	tttattccct	95100
tctaaataca	gtcctagctc	aggagaaagg	aagctatttg	tatttttcag	aatcaaattt	95160
ccctaaatga	atatagagaa	agaattataa	ctgaaatatt	gttgaaacag	tggtcatctc	95220
aaatctgaag	gtcattccaa	aaaagtttct	gagttttcat	tgcttcaatc	taaaagttgg	95280
cctttttggg	aatagatgaa	agtaaaataa	ttgaaagggt	ctgttgcagt	tttggaatat	95340
cttgaaaata	tagtagagtg	aagccttctt	cccttaaata	aaagacaagt	tgctgattgt	95400
tttcttttcta	gccagataag	aataatgcct	tctttctctt	gttagtctta	acacctcact	95460
tgttactatg	tgtcagaaag	gcgagacacc	ataaatggag	atactactga	tggaaggctcat	95520
ctgacatggg	gctggtaggc	agtgggaaga	ctggatatgga	cacaggtggc	ttaggggttg	95580
gggaatgata	tggaaactaag	gaaatgataa	ttagcagaac	ccagtgtgca	tgtgtgtgca	95640
ttcgtgtgtc	cgtgtatgtg	tgtactgtag	cacaatgcaa	gaaagaaaaa	acaaggcaga	95700
cttttcataa	tttcagggat	aaataaatcc	tttatcactt	catgtagaat	attggctact	95760
tggaagtata	tctaaacgta	aatatataac	tatataacta	catgctaatt	aaaaacatac	95820
aaagaagaag	tgcctaaaga	attacaacag	aaagtggcat	agtgattatt	agagttaata	95880

p11089.ST25.txt

taatataaat	aaggccaggc	atggtggctc	atgcctataa	tcccagcact	tttggaggtc	95940
aagttgcagg	gatcacttga	ggacagggga	tagagacaag	cctagccaac	atggtgaaac	96000
ccatctctac	taaaaataca	gaaattagct	gggtgtggtg	atgggcgctg	gtaatcccag	96060
ctactcaaga	aactgaagca	ggagaattgc	ttgaacccgg	aagctggggc	tgcagtgagc	96120
caagatcgcg	cactgcactc	cagactgggt	gacagagaaa	gacccggtct	caaaaaatta	96180
aaaaatagta	taaataatat	ttcaaaacac	aagtctgtta	agataaaagg	tacagaggaa	96240
tggtgagatg	acttttttat	ttgtgtgata	agggactggt	ttctgtgatt	gtgagaaaga	96300
ccaggagtta	agaaaaagtg	gccatcaata	aatcagccac	ttatggggaa	gaaccataaa	96360
ccactctcag	atgaaaataca	aatgcagtca	ttatttaata	ttattggaat	atttgtatta	96420
gttttttggt	tgtgctgcta	gtgctggtac	attttagtag	tcaattaata	ttttgttaat	96480
cttaattttct	aactaaattc	cagagtgaag	tggaaataat	aatgaaaaaa	ttttatttac	96540
aaaacagatt	ttgttttttt	ctgttaagaa	tgatacacag	ttgtccttca	gtagccatag	96600
gggattgggt	tcaggacctc	ccttgggtac	taaaatctgc	agatgcctaa	gcccctgtta	96660
taaaatggct	tagtatattgt	atataacct	tgacatcct	ctcatatact	ttcaatcagg	96720
gggtcccaac	cccagggcc	tgaccagtac	tggtccatag	cctgttaggc	tggtcgatac	96780
caggctgcac	agcaagagct	gagctcctcc	tcctgtcagc	tcagtgggtg	cattagattg	96840
ccataggagc	acgaacccta	ttgtgaactg	cacatgtgag	ggatctaggt	tgtgcgctcc	96900
ttatgagaat	ctaatagata	atgtaatgtg	cttgaatcat	cccaaaacca	ttccccttcc	96960
cctcaccatc	cctgtccgtg	gaaacatttc	ttccagaaaa	ccagtccctg	gtgccagaaa	97020
ggttggggac	tgctgcttta	aataatctct	agattactga	taatgcccc	tacaatgtaa	97080
attctatgta	aatagttttt	atactatatt	gtttagagaa	taatgaaaag	aaaaagtcta	97140
catgttcagt	ttaagtgttg	ataagtgtgt	agagaaaagg	gaacccttgt	acattgttgg	97200
tggaaatata	gattggtgca	gtcattatgg	acaatagtac	ggagggttcct	aaagaaatta	97260
aaattagaat	tacctaagac	ccagcaatcc	ctcctctgga	tgtacccaaa	ggaaataaaa	97320
tcatcacctc	ataaagatat	ctgcaactg	atattcattg	cagcattatt	tacagtagcc	97380
aagatatgga	aaccacctag	gtatgtgttg	gtgcatgaat	ggataaaaga	aactgtggta	97440
tatgtatata	caatggaata	ttattcagcc	ttaaaaaagg	agaagaccct	gtcatttgcc	97500
acaacatgca	tggacctgga	ggatattaag	ctgtgggaaa	taagtccaac	acacatccac	97560
acacaaaatt	gcataatctc	acttatatgt	ggaatctaaa	aagaaaaagt	tcaaatataa	97620
agttagaata	aaacagtgg	taccggccgg	atgtggtagc	tcacgcctgt	aatcctagcc	97680
ctttgggaag	ccgagggtgg	tgaatcacct	gaggtcagga	gttcaagacc	agcctgacca	97740
acatggtgaa	atcctgtttc	tactaaaagt	acaaaaatta	gccgggcata	gtggcagggtg	97800
cctgtaatcc	cagctactca	ggcagttgag	aaaggagaat	cacttgaact	caggaggcat	97860

p11089.ST25.txt

aggttgcagt	gagccgagat	ggcgccactt	cactccagcc	tgggcaaaag	agcaaaaactc	97920
tgtctcaaaa	taaaaaaaca	aaaaacacag	tccacacact	ggttaccatg	agtgagggtgg	97980
cagggaggag	attgggagat	gtagatctaa	ggatacaaag	tagcagatat	gtaggaggaa	98040
ctaaaaagct	gacatgcagg	atgacaacta	tagttagtaa	tagtgtattg	tattcaggat	98100
ttttgcta	tgagtagatt	atagctgctc	ttgccacagg	ggaaaaagtg	ggtaactacg	98160
tgagatagac	aatggatgtg	ttaatttttg	tcactataat	aaccttttca	ccatatacat	98220
tcattctata	acagcatgtt	gtttactgta	aatatataca	ataaaattta	tttttaaata	98280
tctgagtatg	atttgatgat	ttgtgaaaat	agagtgaatt	ataataattt	taaatgtaag	98340
ttaatgttat	tagaaaagaa	acagaaagaa	cataccacac	agaaagtctg	tctgaaggat	98400
ctttgttttc	tccaccaata	caagtgttca	ttgattcaga	ggtggattat	gagatatgac	98460
cataaaacaa	aaatttcaag	ggaaatatat	tttattcaat	gaaaaattct	caacacaact	98520
gttatatgcc	agtaaacact	atatctttta	aataacaggt	catatctatt	atatttataa	98580
ttcaaggaga	gactacatta	gagatgctat	tagatcaact	tctaatttca	aagatttcta	98640
agatatggaa	cagttactcc	ttatacaa	taaaaaagca	aatgctgaag	aaattcagct	98700
acatggatac	accatgaggt	ggaaagatgc	tccataactc	ttagttaaac	tgcactaatt	98760
acacataaaa	ggaaaatgtt	tcatttcact	gtaatttgga	aaccaaagaa	agaaaagact	98820
gaatttttac	atactgttaa	agagattg	tatctgttct	aagttaaaga	cagaggcaaa	98880
atgtatttta	ttcatttg	ctgcaccgtt	tagaaataaa	attcaacttc	cttttaattt	98940
tttttaagaa	taaaaaactc	agtctaagga	aagtcttaaa	gttttcattt	taagtgatcc	99000
actgttctag	aagttaaata	ttttgttaa	aatgtttatg	ttctgtattc	caccaagtct	99060
agttttaaaa	caaaacaaac	aacaacaaa	tacttctcta	acttggagtt	taaggtgaaa	99120
gaaaccaatt	acgtggtttg	gaaatgtcac	acttttcatt	tcttttttaa	aaaaattttt	99180
aattcaggac	agaaattgta	tggatttagt	gtaagtcttg	ggatctcaca	agtgtcagta	99240
tttactctc	ctccatatct	tgatagcaat	aacttgaaat	aggatctcag	tagctcaagc	99300
aatactgggc	tctgagagtt	ggttaaaaat	tatttggttg	agcgcctgtt	gctgagggaa	99360
gaactaatct	cgagcatatt	tttggagcca	aataccaaat	tgtttgtgct	tagcaacaca	99420
gcaccaggct	tgcccttcag	aatgattcta	gaccaaagtc	cagaaatgct	ctggttctga	99480
ctacagagtt	ctattcacaa	atgacaggag	gcaagaggtc	ctcctcactt	tcagaagaaa	99540
ggtcctttgc	tttcttagtc	aatggttaga	aaaccattgt	ggttttcatt	gcattacata	99600
atttttaagg	tgattacttc	aataagaagt	gctctgtgta	tatgtgtggt	tatagacgca	99660
ttttttaaac	actggagaat	ttctgaaagt	agtacaaacc	ttgtaatgtc	aagtagatgt	99720
gggaaaaagg	gagtttacaa	cattctctcc	tgacattgct	ctcctttggc	atctgcattt	99780
ttaaaatgtt	aaaaatgttt	aaaaacgtgt	gcttaacact	taatttggtg	atagttgctg	99840
ttaccaaggc	aactctgtaa	ctccaccag	ataaaaaata	atcttgaaga	tgagtttctg	99900

p11089.ST25.txt

tgtctctgag caaatatattt tgtgaatagt agaagcagag aaagttaaag atacctgagc 99960
 ttttgatctt tactagtttt atagatatgt ttatagttat acatttttat tcatacatatt 100020
 tagataaata actttgtaaa gcaattgatt cttcttgtaa aaatcaagta tattcttaat 100080
 agactgataa actttctttt tttgagacag agtcttgctc tattgcccag gctggaatac 100140
 agtgccatga tcttggctca ctgcaaccta cctctgcctc ctgggttcaa gcaattctcc 100200
 tgcctcagcc tcttgagtag ctgagattac aggtgcatgg taccacaccc cactaatttt 100260
 tgtattctta gtagagatgg ggttttgcca ttttgccag gctctgagaa actttttaag 100320
 gtctcttttg cagccagcta tttgtctacc ttatttcatt cttaatctca ctagccaata 100380
 ttttttctgt ttaagtgcct tcagcaaata ttaaagtctt gtgccttcag tcttatcctg 100440
 tggaaacact ggtaatgaca aaaacacata tttcaaccta atatacaata gaaacagaat 100500
 gccagttatt catggaggag aagaatagac ttctgtattt aaaataacat tttgctctgt 100560
 gttttaaaat cattcttcct tcatcaattg taagcatctt gactataatt tatacaccta 100620
 aagataaata attcagtagc aatgataact gaaaacagga cacatacaat gaactagcta 100680
 aattaccata cattctcatc catttcaaaa atagctctgt acttttttca gattttggtta 100740
 gaagaatatt caatacaaat ttttattcaa tgaacacttc agatgtcaag attgttacc 100800
 acatggacaa cagtaaccta ggtaaagatt ctgcagccag gcgtgggtggc tcacacctgt 100860
 aatcccagca ctttgggagg ctgaggcggg cagatcatga ggtcaggaga tcgagactat 100920
 cctggctaac atggtgaaac cccatctcta ctaaaaatac aaaaaattag ccagggtgtg 100980
 tgtcatgtgc ttgtagtccc agctgctcgg gaggctaagg caggagaatc gcttgaaccc 101040
 gggagggtga gggtgcggtg agccgagatt gcaccactgc actccagcct gggtgacaga 101100
 gcgagactct gtctcaaaaa aaaaaaaaaa aaattttata cctgggctct gtgctcacca 101160
 gcagaagggg taacatggct tcttaggaca accttacttg accatttact tctttgacac 101220
 taggggtatt cttagatcag caggtccttc cctccactta tgcacatgag gctcacagag 101280
 agtctgggag gcagggaatt tatgattgga aacagtatac tttttatcta agaaattatt 101340
 aatgtcactg cattcaagtg attaacacca tcaatatctt caagactaag gggattacat 101400
 gatgtgtaaa attagaaaac tgtcatctac tagtggttag gcactttaat tatattaagc 101460
 atgcaacaag agaactcttc aaatgaatcc atctctcctc tgtattattt ccaacccttg 101520
 gatccccatc tgtttctgca gacaacagct atgctgctga atgtcttaat ggtttgctgc 101580
 cccaactagc ttcaagatac tgcagggtcaa gcatagcatc ttactcttcc ctgcatctcc 101640
 agcacctctc agaatggttg tcacatagaa gatgtttgct gaggagtga ataagaatat 101700
 gtacaagggg cacaattagc attgtttaaa aaagatgtaa caagataggg taaaggaaaag 101760
 ctttggagga taaatcttta gaacaatcaa taatatcttc tcctctgttg gttagttgcc 101820
 cttcaatctc agccactgaa tcaaatacaa cataattact attctgatat gttcttgaat 101880

p11089.ST25.txt

cgaatatcca ataataagat attcggatgc atagccatgt ctaatatcaa agcccatgct 101940
tttcgctatt attgtactcc atacattagc ttccaaatTT atttgcaatc caaatattaa 102000
aagcaagtca taagcttagt atcgccaatg tgatactaag tatccactta ctaaacttta 102060
ttttcaaaat gtggttttat ctcagtttaa tgaacacggc atgttttaat ttacactttc 102120
atattatata gtaagggcgt ggttacagat atgttaatTT cctgtgctgc ttcacaatga 102180
tggaacataa tagcaaatga aactgttaat ttgcagatac ccataggcct ttggtgtctg 102240
aatagaaata aacacaccta caactgagag aggaagcatg tgaagcattc cagtgaacag 102300
aggccattta ttcagtcaca gacacaggag aaaaacaaca attaaaaaaa aatctctgat 102360
gaaaagttca taaaaagttc actcagttta agcatatgtc ctataactac ttaaaataga 102420
gttcttctta aatatcattc tttgctgttt ttagatTTct tctgcctgta tcaaattaat 102480
agaacacagc atacttttaa tttgctctgg tttcttagtg gggcatttat taaacacatt 102540
aaaacaatag tctcaggggt ttactgctga tgttaaagtt ctgctttcct acttaccaac 102600
tgtgtcatct taaggcacat actttgcctc tctctcaaat ctcccaaagT gagaatgata 102660
agaatacgtA cctcaattaa agaagctata acaagtagaa tgTTtggaag agtgccgggt 102720
acaccataag cccactatga gtattggatt gtattacctc tgaaagctgc agaatggaat 102780
tctcaaagtt atatgtccct aaaatcctct taagtgcagag aaatggagaa attagcagtc 102840
tgtctaagag agcttttcta gagtctgggc atatgtTTTT aggacaagac agttcagctt 102900
cagcttaaaa tgagagagca cgtctgtgtc cttactcctg ggtgccaggt ttcttgtccc 102960
catcttaaga caaataatTT tggTggagaa gaggcagTct cTTtgatttc gctctaaaaa 103020
ccttttctgg aggaggtaga cactctccac ccccgTTTTg agactcatgc agctgaggat 103080
gactggctga gtacaagcaa ttgttccttc taagcagTTt caattcttat aacttgtgga 103140
gatattctta agtccagggg atTTtgTga tggtggattt ttattacaaa gtcctgtact 103200
tcataggaac aaaataatTc aaagtcagga accagatcaa agccacaact cagatatggc 103260
accttgagaa gttcatttgt atttcacttg cataaaaacc ctcaccactg ctatctgatt 103320
ttcacaaatc attcaacagc tatccatgaa gcaccactg tgtgtctggT ctctgtgtca 103380
gtccctggct tcatgtgtct ttccttctgt accctgactc cccaactcat gaacacatga 103440
agtaaaaaaa tgaaaatctt tttctgacct ctcttcaaaa tcactTTTTt caaaacaaac 103500
acctctcacc tgctcatcct ccagccagta aatcacaggg gcctagaaat gtcacttaca 103560
aatatTTTct gattctgtcc ctcccttcaa gcttgccaac attatcacag tttagggcct 103620
gctcatcttt cccccaatct ccaattagat ctctccacaa tgcaattctg cacattccct 103680
gttacaaccc ttcaattatt tcccagccca tccaaaataa aatctaagcc tcttactaac 103740
acattcagga actctgtggc ctacggTTTT ctacagacta atTTTccagc agttgacttc 103800
cagtgaagT gaaaacctag tgtcatgcct gcatgataga taaatttgaa gctgaagagc 103860
ccaaatgtat agaccatgcc atgaaaggTt tatagTcatg acacagtggc cctatagtac 103920

p11089.ST25.txt

agtgcttgaa gctggctctc tactgtcaga cagaccactt gccagccatg agacctgggg 103980
 caaaatgcct taatttttat gtgcctcaag ttctcatgtg agatgagaat aaaaattacc 104040
 cctatttcat aagatttgat aaagtgttta gcataatacc tcataacaat tgcaattcag 104100
 tgggtggttat tattataaag aaaagatgat taactttatc ttaatgttta acttgttctg 104160
 atagttattg atctatagct ttgatatgga ggtttgagaa tgacctggaa agaattggcc 104220
 acaatgattg aagatagtga tacaagaata aaagatgact gcaaaatgta aacctgcaat 104280
 aacagaaaga atgaagtcac tggctctcatg ggaactgata tgggagaaaa aaacagatca 104340
 aaaggctatt catgttttgg gcctctttgt caaaatggaa atgagaaact ggggaataaa 104400
 aattaaagca attctagcat ctggttttta cataattctt atccctaaaa agaattctata 104460
 agaaactccc aaaatgacag gcagccgtgg gtagcattgc atttcaagta atcttttaat 104520
 tgttaaaatt taagtttcca acatgaacat aaaattttca acctaaaaga aatgagttcc 104580
 aaatctgaga caagtgaaaa aggataaagc ctactagggg gttaaattcca tctctttaga 104640
 gatctagtag ccaatttagc aatgtccaat caagccttta actactacat ttgaacacct 104700
 catcatttca aaatgttact taatgatgcc aattaactgt acaatgtctc tgcatagcac 104760
 atagccctaa aatgatttgt gcaatgttac tgtcagtaaa actgaactac agggaaatgct 104820
 catattctat gtcattatat acagaaatgc aatatcaata aagtgatatc tgttggtatt 104880
 agaaaaaagt gaaaattttc atatctttct attttctttt ttcctcaatg ggatgctctt 104940
 gttaaagata gctctgcata gtaagggttg tataaacatt atttagctaa agttaaagg 105000
 ggtaacatac tggttctagc acagatatta aaacaaatta gtttgtaggt agggcagcaa 105060
 tcaattatat tactaaccat agctttgggc cttttatcct tccccatttg attttacaca 105120
 gtgggatgtt aaagggtgaa tgtctttggt atctataaac ttaattgaaa gctgttattt 105180
 gtttgtttaa gtctgttgat ttttataatc ataattttac tcctatagat ttcttgtagg 105240
 agtactatat gaatttatgt tgcactgaat tttgttatgt tatacaaatt aataggcttt 105300
 tatttatgga aagctactat tgatctgtca tttcttaaaa aattactaaa aagtgttaaa 105360
 actttaaatg ttggagagtt tatattttta aagttacatg ctagaaaaac atgatgtctg 105420
 agtatattag aagttataga taattcatct gtcaactata aaactctcca aactgcctt 105480
 tctttaatga ataatatgaa atttagcagt gaaaatgtga caatgtacaa tcctaaataa 105540
 atcaacaaat ttagagatgt acctctaaaa ccattgtaaa ttcaacagtg taattttcca 105600
 ttggactttc acttattcat tcattaaaca aatgtttgtg agtgccatgca atgtatgaga 105660
 cattgtactg aagctaggca gtgtgagtta tcatatggga ttatccttta aatacttctg 105720
 agggcaaaaa aaaaaaaaaa aagaagagaa aagggtgtgag gaaagataaa gggttaattc 105780
 attaaaaaat aacacttgag gactgttttc tttgcaaggc ataaagtatt caccctttca 105840
 aacagtagat atttcacatt taggatgcga gactccagtt ccaacaaagc tcattgcaca 105900

gctgctaccc tgattaaact gctacatgaa ctctgagcaa tgtagcatgg tagccgcatg 105960
cttctgcttg catgatgggt aattccttcc attctcatta gtgattttct gagctttgaa 106020
attctgatgg tacctaggat ataaagcata tttatctaac tgaaaaacag ataattagat 106080
gtaacataaa atatgaatgg ctttgtcact ttattgtagc agagaatgaa tgtgggataa 106140
attaaagctg atgctagaac atatgcctat ttttagctg gaaaatttca agatttatgt 106200
actttgggct tgagaaagaa atggagtta tttttatgc actgacatct cttttttttt 106260
ttttttggaa gagctctctt aggaatgaat ggtatgtaaa tacagtagga atgtaattat 106320
agattttcct gaccagttc ctaaataata gatatcattt cagaagtgcc ccaatacctg 106380
accttttgct ccaagccata tcaaagcaca catctagtct acttttcact ctcattccta 106440
gccactatga caatactatt cagataaaac ttctagtcct ctacttatgt gactcatacc 106500
aacttgacct tacgatagtg actgggggtg catatctagg ttcatgctgt ttgtccatta 106560
ttatggtttt gtgagaaaag gcaaaatttc taggtaaagt gttatgagga cgaataatcc 106620
accaggcaac caactgaccc tttcatttgc catcttgtca cttcaaacag ctctccagaa 106680
cctgcagcca gcacagacca aagtcagggt tgtctcctct tctgttgatg aacaaagggt 106740
gattccatat cgtggctatt gtgaatagtg gcagtaaaca tggcagtatt gtatgaaaat 106800
atcacagata gcccttaaat atgtgcaact atgatgatct atcaaaatta aaaattaaaa 106860
tttattttta aaagttcagt tagaaagctt gtagttcctg gcaaactact acctttctcg 106920
gcaaaagaat ttgatatctc ttaaataatt tctgcctaata gctgatagat tgtatttaca 106980
tattccatta atgcaataaa taaaattaca ccaaaacatc agcattattt atttccaggg 107040
gcatctctca aaataaattc ctccaaaatt cacaaaacca aaaccaatgt gaaattgtac 107100
tcagggatgc aaatgtagcc cagtgaagca tttgccact tgtttggtat tattgaagca 107160
caattagaaa aatgtgcaat gtatgcccaa aaattctata ataagggccca ggcgcggtgg 107220
ctcacacctg taatctcagc attttgggag gccaaagggtg gcaaactcatg aggtcaggag 107280
atcgagacca tcctagctaa caccatgaaa ccagtccttt actaaaaata caaaaaattg 107340
gccagacgt ggtggcgagg tcctgtagtc ccagctactc gggaggctga ggcaggagaa 107400
tggcatgaac ccaggaggca gagtttgcac tgagcctact ctccagcctg aacgacagag 107460
cgagacccca tctcaaaaaa aaaaaccata ataagaactt tttaatatat tatattataa 107520
tgtaaaaaga ctagatgtca aacaaattag gtgatgggaa ggaattgagg gagaatttta 107580
gactaagcaa ttgagcagca cctgtttttc accacaaatc tgttacatgt attgctcaat 107640
tgtgtgtaat ccataattggg tcctgggtggc tatgtaatag tctctttctt ggataaatgt 107700
ttgtcctctc ttatggttta ctaatgggtg acagaacagc attgaatagt ggttatttcc 107760
tatgacttcc tagatatctc tctcataatc ctgaatgttt taaagatcat tcttagatag 107820
agtacagcta gacacgaacc atagtggaaa tcaggtagac aaaatttaaa aggagtctta 107880
attgaagggtc attttattgt cctcagtatt aatcttactt aaaacaaacc tgtcactgag 107940

p11089.ST25.txt

cagaactcaa aacaccagag ccctttgcc aatgtgattt tttaacaacag gagcgctggc 108000
 agttgagagg agtattctgt cacacttgag agaattcgag tccctgaaga tttatatgaa 108060
 tgcttagcta ttatcgaacc atctcttcac agatgactta gtaaagtgtc gcctttgcat 108120
 cagataatgg cttacaagtt aatctcctct tgctccctgt tacacacata tacaccttct 108180
 tcctaaacag ctcataaggt gaaagaaaga ctcagatttc tgactatgta attgataata 108240
 tcacacggac tgcctgctca tcatctgcta gtcacattgg cagagttgac agttttggag 108300
 aactgaaga cagtgcata attaggaaat aagcagtttc ctgatataaa ttttcttgta 108360
 gtttataaat tacatagcat ttattattcc ctcataattt ataacattta ataatagaac 108420
 tgacacatat attcatttta aactcaattg tgtataataa ctatcatagc aaccttcag 108480
 tgcctaaata tcaaactctc cattcctccc atgaacatct tgaatatata ggtactgtgg 108540
 ttagctccaa caagcttttg gttagaattc attgcactga tacatagaca ttgttttaaa 108600
 ggcaatttca aatcaaagct gtcagctgtg aatcaagcac accttaaaaa gtgacacatt 108660
 tgtcactaga ttccagcctc tcaaattact gacacgcac ctttttatgt aaagatgaca 108720
 ttgttctttc ctgatataat gcattcctca tgaatttctt atagtcatag aatttttata 108780
 aaccatttca gaatcgctga aataaacatc aatattttta actttttcat tctgtcaaaa 108840
 atattgtatg cagagatatt gctgtaagtg tgtataacctg tgcttaagag actagggctg 108900
 aagagaagta atcaaccgaa ccactgggtg aaatgtgctg cacattttta gtgactagaa 108960
 attgaaataa ttccaacaaa tttatgtgct ttgggcttga gaattcagac tgccttaggc 109020
 taagataaaa atcttttcct ggtactatat accttctttt attgaatgac tacctggctc 109080
 tttctattat atatgcagat tttgtacctc tgggtcatctt tgtaaatggt gcctaaaaga 109140
 tatttgaaga ataagtgacc agcaataaga acaaatgtct atacaaaagc accttttagt 109200
 tggatgtaat tcaactctt gagttgttaa taacctctaa ggatgacagt agctattagt 109260
 tgaataaacc attatgtcta ttattagaac actagatagt ttataagtcc aaacaatgca 109320
 taaaatacct atctcatgtt accattgttt aggttaccag ataattgttc tgtccaatta 109380
 ttccacttaa ttttttgctt gccattagc taaatggcaa gataaaattt gtcaaacggg 109440
 ggggaatgta ttgaaaatgc tagacaacta cacttaaaat gaaaacaggc caggcgcggt 109500
 ggctcaggcc tgtaatccca gcactttggg aggccaaggc ggggtggatca cctgaggctg 109560
 ggagttcaag accagcttga ccaacatgga gaaactccat ctctactaaa aatacaaaat 109620
 tagccgggca tgggtggcaca tacctgtaat cccaactact ggggaggctg aggcagaaga 109680
 atcgtttgaa cccaggaggc ggtggttgca gtgagccgag attgtgccac tgtattctag 109740
 cctaggcaac atgagcgaaa ctccatctca aaaaaaaaaa aaaaaagaaa gaaaagaaaa 109800
 caaatgcata atttgcaaat attattttta tattgtatgt tatctagggc ttctaaatgc 109860
 attcttctta taagcctagg tttgcaataa cattcattta gaattgagta attttaaata 109920

p11089.ST25.txt

taatatTTTta taaaataaaaa tataataaatt tctctTtaatt cTTtgaaaaat attaaattaa 109980
 aaggggggttg caaactctgc attccacatt tccatcccaa catttaattt tagcaatttt 110040
 gtagtctgcc taaaatgcaa tccatcattt actgttttaga aaatagggaa tgtacacaaa 110100
 ggcctttcag ctttccctga actccataaa aatctttttg cttctttact gcccccttt 110160
 gtcaggagtt ctgaggaact gttttttatc ttaagtctca caaagcattt aggagaatat 110220
 ttaaacttaa attcttttaa aacttatgtt caggacaaag taacattgta tgcattgggtg 110280
 tcatatgtat ttaaattttg aaatttttaa tactggcaaa atgagggttc aatttttaata 110340
 taaattattt aacaatctta aatcattaaa tatattactt aatataattt atatatctaa 110400
 acagtcacaa ttttcccata ctaataatca taaaaaatct tacccaatgg tcatatagat 110460
 atacttaatg gagttttggg ggggtatttt tgtatatataaaaattcata tatttgcctt 110520
 acttagaaga actgattaaa tgaaagtata atattaacaa acatattgtt attttatatt 110580
 tgcatttggtg ataattatat ttgaaacgtt caagattttc caatgaattt cttttgcatt 110640
 tgcgtatttg tgccttttta ttataaaaat aggtggcttt ttagttccac tgcataagtt 110700
 tcaacatagg tctacaaata gtgcattctt ttgaagttaa tcattataat cacaattga 110760
 agttgcctga gctccaattg gagtctaaat ggatgactga atcttattat tcgaaacca 110820
 ctgttgctac acaatatggc cacacaagag agtacacaag acccgctctga ttcagcctca 110880
 gtgccataaa tattttaatg gtttcgttg aatctggaaa tggagctcac cacaggagat 110940
 gcttcttcct ttgactctca ttattatttc ctttacaat taattaataa aaacttagat 111000
 gctaaattag cacttgatga aaacttatat agccttgaca ttttgattct gtgagtgaat 111060
 aaaaatactt ggagaaataa aaatcctaatt catgttcagg aatacccaca aggtaacaag 111120
 tacattttta aactttaaaa acatttatta ttcataataa aacatgttgt gtgatttaaa 111180
 tataaatttt tattatttgc tttaacttat ttccggatta aaaagtaaatt gtttacctag 111240
 ctgttctaaa tggtaatcct catgattaaa acagcaattt gtcataattc agttacaaat 111300
 gatcttttat tattagttat agaacataag tttcttcatt gactgaggcg atgtttcaag 111360
 tagataaatc tggtaaaaaa attgtggtca tattctgtta aattctcata ccaggcaatt 111420
 tgtttgatat tcaggaaaaa cctagccact gacaaaaaac tctacctgcc ttctcagttg 111480
 tatcctcttg gacttaaagg ggactgggaa agttataaga tggttcatga tagtccatca 111540
 acatcccaag aacaaaaaca gatgtgtgac tgacagcatc atatgatcat atgcatgtaa 111600
 gagcacattc atattgccaa atcagttgga atttttcacg gttgaaagtt aaatgaaatg 111660
 cttagatgta tgagtcacg gagttaaga caattacagc cagatttatg gctgtgctaa 111720
 aataaagcta gttagaaaac agaccaaatt ccatgacgat accaagtctg actaatgatt 111780
 caccttaaat ttcggagcaa cttttatcct cacttgtttg tttatttgac aatgtgccct 111840
 tatccattaa gtaactagga ggaagggaaa agcactacgt gggtgagtga caagacactg 111900
 acactgattt gtgacttttg ataattcctg gatgctgtta tctgttttg catagagatg 111960

p11089.ST25.txt

gatctgtaac tgctaataat tgccgactgt gaccatccca gaggccatTT acttaaccca 112020
ggtattttcag acctgacagc ccgaggataa acacgatttc cctccatcac taacttcac 112080
tgcagggcct aagcctcctt cacagtctct ccagtgattt attggcatct ccaagggat 112140
ctcacatgtg ctgaagaaca aatctgctca ctttcatctg cttggTTTT ccttttgaaa 112200
tctgctgctt taaaattact aaggaggaa tcatgcctgc tgctaccctt gccagtgacc 112260
ttgcagtttg tgccctgatt gttccaatta ccacaatcaa aacagaagcg tttgcagtta 112320
ctgcagtgtc ctctctgtgg atgtcaggtc tgactcagag agccaggctg gggAACagcc 112380
atttccactc ttgtacctct gcaaaaggac ttccatgttc cgtaaACaga ctcccacctc 112440
tcatTTTTccc cccaagcaaa gcatcataaa ttagagagca tgtaacggga aagaaaatcc 112500
attagccatt tgggttcagt cagacaagcc agctcatgga aagtttatac aggaaggtca 112560
catttcaatt gagatcagga gggtgaaagg gtccagctgt gtgatgagag agagaatgtt 112620
cgggaatgtg gaacagaggt atccaaggca gaacaaactc gtatatgaag gctttaaggg 112680
tgtgcaaATc tagcatatTT tatgacataa aagagtcctg attagctaga atatgatgaa 112740
tgtgagaaga ggtgaaggct ggagatagga aaaattattc cagatcttat aagctatagt 112800
aagaaatttg catattatat atagacttgt gggaagccat tggattttgt aagaaggaga 112860
ttaacattat cttatttatg ttatttTgtga ttataaccc caaatgtgcc agatacaaac 112920
aaacaaaaaa taataataat aataataaga agaagaacaa caacagcaat ggaactgtgg 112980
tgatggTTTT ggtcacaaaa tgcatatata tctattTTTT acaatgcaaa aatatttcac 113040
tatttcaaat ttaacataa atgtgggtat gcatgagctt acaaATcttg aagtttattg 113100
gggaatattg gtgagcatgg tttttattgc atggtcacaa cttactaatg ggaaacatct 113160
gaatacctat tgagttaatg catgcacatt tttattttcc tggaatactg agaaaaagg 113220
tgctacataa tgtcttgata gcttctaagt catggctcaa aagtgaatgt ggaatctgct 113280
aatcggaatg gactcagatt cagccaagtt ctcaaaaaca tttgctttca tagatgtctt 113340
caagaaacaa ggagtcttga atttaaattg tgaagtgtct atcttagaat agagagattt 113400
aaaatctgac tgtattttgt ttaaaaaagc ctatataact gtattatata aaattattta 113460
tactacagtt aaaaaaagaa tccatccta tttgtgccta aataagtgcc tgctttagc 113520
atgaaaacta tttgttgagg gtccttagat cctcagagca tgctgtgaaa gtaggtacaa 113580
ttgttctttc tatataagcc tcttaagata acagataatt gccagaaata cagcacacag 113640
tacaaaatta cttgttttta cttttgccac aaaaaacaat ttcttttggc tttgagcaat 113700
aaagtccaat gatTTTTttc ctttcaaat atcttctctc ctctccataa gttttatatt 113760
tattcacgaa ggaatattcc aatatcggaT gttttgtct gtgtctcttc ctggaacaaa 113820
tgtaattaa tctctttggg tttgtatgtc aagtggaggg gtggggattg gggacaggTg 113880
atagttgtct agggagTtaa cttcatctct ataggagagt ggatagacgc tgtatacgaa 113940

p11089.ST25.txt

aagctccttga aaaggggaaat acagcagcca cttcctcagg gcttccatgg tggtcagact 114000
ccttgattgc tttagattaa ctctggcttt tgtccttcgg aggccaccag attgggtgga 114060
tagacattgt ccttgctgtt cttttgacct acctacttgt acttttagggg aaaaaaatgc 114120
ctgtaatagg ttaaagtctt tctcaaagat caccaaagta tataacacat ggcaaataga 114180
cagagaaatg agacagtata atcagtataa tttataaaag taccttacag caggatccca 114240
tgggatatgg gtttttttta aaaaaaatct acctaatctt ttcattgaac tcctattcag 114300
gattcattat attgaatatg gctcagagac ctggaaaatt gtttccacct ttttaattta 114360
ttcaccatca tttatggaag ttttcaagga cgtttactta cctacctcag ttaacagatt 114420
gtactacttg ggaagtctat aaatatgagc ttaaagcatt ttctgagttt taaaataatt 114480
tagatttgtt agaattgtta aactaaaaga ggaaaaaatt attcagttcc tcagttgaac 114540
ctagcaattt atcttttcac agtgtgctca agtatagttt ttgaaaagta aagaagatgg 114600
tttttataca aacataaaca cttttcaaag atttttattca actaattaat tagtagtgga 114660
gccaataagc tggttaagact ggtttaaagg aatatctgag gaataaagat ttatagaaac 114720
agtcaaagaa attctaaaga gaattgacta atagatataa atctagtaaa tatttgatta 114780
ataatagcag taacctatgg aattatgttt tctactgagc ataaatgagc atgaatctct 114840
ttgggtttgt atgtcaagtg gaaggggtggg gattggggac aagtgatagt tgtcaaggga 114900
gttaacttca tctctatagg agagtggata gatgctgtat aagaaaagct cttgaaaagg 114960
gaaataaagc agccactgca catctgcaca tataacctgt agatctgggg gctctaataa 115020
aaaagttaat ggcaatgtca aaatctggtg ttttatctta gataacttca tagtcattga 115080
ttgagccccct taaaaataac atttaaagga catgtagtca ttctgtttct ttattgcca 115140
gttttcagca atttttctca tgagaatgag tgctaagaaa cttttggtgg agcgtggtgg 115200
ctcaagcctg cagtcttgca ctttgggacg ccaaggctgg ccaattactt gagatcagta 115260
gtttgagacc accctggcca acatggtgaa acctgtgtct tactaaaaat acaaaaaaaa 115320
aaaaaagtgg gatgtggtgc atgcgctgt aatcctggct actctggagg ctgaggcacg 115380
agagtcactt gaacccggga ggcagagggt gcagtgagcc gagatcctgc cactgcactc 115440
cagcctgggc tacagaggga gactccatct caaacaaca aacaacaaa aaagaaactt 115500
ttaaaatata acaatagaga cattacatag gccacaaaa ccacctcaa aaaagcattc 115560
tatcacctgc aagaaagcat atatatatat ctgcttttgt gtatatatat atatatatat 115620
atatctgctt ttgtgtatat atatatacac acacacacac acatatgtgt gatatcagca 115680
tgtgtattta cacatatatt ttgtgcatgt atatttttaa ctaaaaatgt gctaggagtt 115740
agatatgaac tgatttttga ggaggtgata tgctgtagag agagagaatg ggagaatagc 115800
agtattataa tctctctcca ttgtattcag ttttttctt tgtctgaatt tttaatagaa 115860
gtcagccaga agatgttagt ttctgggaaa tgtgttgaga ttacagtca aatccagaga 115920
gaactagagg cttatgagta aataagtaaa ggttatgcag agaaagtatt ctttttcctg 115980

p11089.ST25.txt

tgtaaacttg aatattggcc aggcgcggtg gacacctgta atccagcact ttgggaggcc 116040
 aaggcgggtg gatcgactga ggtcaggagt tcatgaccag cctgtccaac atggtgaaac 116100
 ccattctcta ccaaaaatac aaaaattagt ggggtgtggtg gcaggatcct gtaatcccag 116160
 ctactacgga ggctgaggca ggagaattgc tttaacctag gaggcggagg ttgcagttag 116220
 ctgagacagc gccattgcac tatagctacg gcgataagag tgagacttca tctaaaaaaa 116280
 aaaaagaaaa gaaaaccttg aatatttctt gtacttgtgt tcaaatacata cagttatgaa 116340
 agttttacccc tagctgttac acttaaaatg tacttctgaa atatacagag agatgataca 116400
 gactattaat gagttccact aaacttttaa tggtttagaa aatacaaata ttttcttatt 116460
 tttctggaat tccagccatt aatgtaaaac attggtttca acataaataa cactactggc 116520
 tgcacatatg cctaagcatg ggccccaca catacagaca ttctgaaaga ccacttttta 116580
 aaaatattca gtaccgtata ttgtgcattc cttctttatc cacatactta agctgctgca 116640
 agcatcccat tgataacacc agtaataaaa gatgggacca tcagtaatga gatttgaaag 116700
 ccccttttgc aagaaaagta ggactagaag gtggaaatca ctctgtctta gagtcatatg 116760
 gattggggct ttgctagaag tgtgtgctct cagggaaagc tgccttttta ttttctccag 116820
 agaaaagcct ttttgtcagt aaaagaagat gtatcatcca atgcatatgt aaaattctaa 116880
 acagcagata aaacaacatt cactattaat ctctgcaaaa gaagatatat tgaaaaaatc 116940
 ctcaagtgtc cctctttggg tttctttggt atatattaaa gcagttatct ttagatgcat 117000
 gagaatcacc tgaagacctt atttttaaaa ttcagattcc tgtcagttca ctcccaaaga 117060
 ttccgattca gtagttaaga gacaaagcct aggaatgtga atttacaatc aacacctcag 117120
 gtgatagcca tgcattgtct taatgctcta ctactatcta tgcataaaag gaagataaag 117180
 ttttaaaaac ttgaaatgtg gtataacagt ttagtattga ataataataca tttttactta 117240
 ttgtaacaaa ttatgatatc tacttggggc aacagtatct tttattttgg atctgaatcc 117300
 taatttttggc taggtatcac tgagggattc ttagtctaaa acaattaaat ggagttagtg 117360
 gtttttttta gtaactcttg attttctgtt tttttccatt ggcattctac aaaatttatt 117420
 cattcatttt tccctttttc acttggcatt atttgttaga cagtggacaa aagaactata 117480
 gaaagtagag aagcatgtga tgttgtcctg ctcttagatt ctcgcaactc aggagaggac 117540
 attcgcttac accaatcatc tcaaaacatg gcagtttatg ctgaactcag tccaatggga 117600
 gagcatttga ctgagcacat agggagagaa gttagctctg ttgaaggata atcaacgaag 117660
 aattcttagg aaaggtagag tcattcattg aatatttgct cggcacttac taggtgcata 117720
 tgtgcactaa gatctaagga tgggctgatg aagaaccag gtcccttttc ttctagtggg 117780
 catgcagact ggcctaaaaa aaaaaggta actggaaaat ggataaggaa actgagtcac 117840
 tcggtttatt tattatcact cggtttattt gcttttgttt gtattttcat tttgacacag 117900
 cacagtgtca tcttaacgca tcctccaaag tgaaggatgg ggtggataac acttttagttg 117960

p11089.ST25.txt

gcatttctgt agccaggagc caggatcttt ctcccataat tgcattaacc tgggaaggca 118020
ccctctaggt agatttgtat agcaccctgg ttaatcaatt atcagtttac ttcttgtctc 118080
actaagcttt aacaccttac atttatgaag cagtgtaaat ataactttag catcttgatc 118140
acagcaagca cctgatttgt atttttttat tagctcaagt gaaatcagat cagagaagta 118200
cattacaggt cataaaatat gtgcaaattt cataatgacc tcctttttaa atgtgcaaaa 118260
ataagattgt taaggcacat tccagagcct tgggggggtgt gtgtgtgtgt gtgtgtgtgt 118320
gtgtgtgctgt gtgtgtgtgt gcttgtcttt tgagaatatc tgtatatcag aaaatttggc 118380
tgagaagcaa tcttcttctt agtggttctt tttctctttt gaaaataaag tactaaaaat 118440
acttaaagat gcagaacagc aacctgttcc cagtgtgact ctcgtttaat taatgtggtg 118500
atctatatag agaaaagggg caattgcaaa agtccctcaa taattatcta accacagtct 118560
ttaggttaatt acagcagaaa gattttcaag acacaaaaca ccctggaaaa tttgacctct 118620
tattttgatt caggcctttc atttcttaaa tattttcttt aatgttgatg tttatgcttg 118680
acaaggctcag cctaattgcca gatgaatccc tggaactcaa aacattgctg aattcacagt 118740
tgaaggattt taatataata taccagcttt taaaaatcct acagtgtgaa taacaggact 118800
gaataaaaaa attaagaaat gctcaggtag aaataaatag agaaatttag aaaaaaata 118860
aaacgtattc aaaataagta ttaagcattg gcaaagaaaa aatagtagca gacaattaca 118920
tgttccattt gtaaagatga ttattaatta gtggtcttgc aaaacattgg agaaaatttg 118980
ctgaaccatc acattcataa atattaaaac caccattag tgaaaatctt tttactaaac 119040
ttcacaactg atagtcaaat aatgttcagt ttttctccat tgcaataaaa aataaaggct 119100
tttgccttca gatcagtctc tgggccttat taattcagtc agccagaagc cacatggaaa 119160
tattttgttt tgttaaaagc cagcttgccc tcatgatctt ttaaaatctt ttaaaaatct 119220
tccatcagcc ctctccctga cttgaattat ggcagtgcct tctaaactgg taaactcaat 119280
ctccttggtg tgcctcaaga tagagtacat aaaccctcct tagaaattga gctctcaatt 119340
ctaaattgca ctctccatga gagcaagcaa gaatgctttg ctttgtatta agtggtcaca 119400
atattaaata taaccataga cagcactgta ttttctaaac acctattttt cttttaatga 119460
ctgacataaa ttagatcata agtatacaaa tgcatatctg ttgtattttt cagcaccatg 119520
tgtttttttt tcttttttct gagttatttt cctgctttcg gcagcctttt ctctcaggtg 119580
ccttgtgatc cacagtgggtg tgtgttcaca ctaaccaaag caatagtctt acctgccaga 119640
aatagctgtg acatttaaag agaggtccag ggggaaggcac agtgcttaac atccaagtct 119700
gaagagctaa tagtgaaatt ggggcatcag ctacagagag atttagggga agtaacaggc 119760
aggttaaata ttttatggaa atgatttctg ttctgtatat gattgcaatt aacacatgtc 119820
aatctgtttc attaatttgt taactcatct attatgctat gccatgaaga aaataaaatt 119880
ggagttcttt atttttttga gatggagtct cactctcttg cccaggctgg agtgcagtgg 119940
caggatctca gctcactgca atctccacca cccaggttca agcgattctt ctgcctcagc 120000

p11089.ST25.txt

cacctgagta actgggacta caggtgctg caaccatgcc tggctaattt ttgtattttt 120060
agtagagatg gggtttcacc atgtgggcca ggctgggtccc aaactcctga cctcaagtga 120120
tccgcctgtc ttggcctccc aaggtgctgg gattacaggc gtgagccacc gcgccccgcc 120180
acaaaactga agttctaagc ttcagtttag atgtctacta aatgcttggt ttgcaatacc 120240
tgactgtaac tggcaggaat atgttttgaa agtcctcatt ttccaggtat gcagatgaaa 120300
tataggggca ttatctacta tgtcaaatta taatgattta tcagtggcac atgaaagtcg 120360
cctcacattt cttaatcagt gatataccat tatgtcatgc caccttttaa tgtaatatgt 120420
ttacatcttt ctttagatgt aagcattcat ttagttcatc acggtggctt tcacacttac 120480
tccaagaacg ctatgagttc ctttgatgtg ctcaagtctc ctgccccagg gagaaagggg 120540
gtggtgagca ggaatcgctt taatctattt acacagatat tttcttttcc atttatttta 120600
aaggaatttt ttttaactta atgagtatgc agtgacgggtg gtgatgatga tgatactaag 120660
gtttaaatga ttagatagtc aaatctgggc tggaattgta atactgtttt gacttttaat 120720
cttagagaag ctccagtctg cttattttct gggcataaac acatgagaac aataacacag 120780
ttctgttatc tgaatgttgt tatattttgt ttgaaacatt cagtgacttt caaatattgt 120840
atgtgcctaa gaaaattcaa cagagtcaga cattctcttc caggttaaat ttggtgagtc 120900
tgctaggaaa ataaattttg tgcactggtc attctgatct agtggacggt ctaataaaaag 120960
cacctttgtg ctgcctacgt cttcacttta aagataagat acctgggtac tcgacaccaa 121020
attatagttt gagatctcaa aaatgggata gggaaaccac agctcaaaaa caaaaataact 121080
agcactggaa aagatagaac tagtgaagat gaatcattct ctagacttta aattcagaga 121140
tatcaaaatt aagaaaaagt aggaggaata aaaaaagagg gtaagcaaaa caatataagt 121200
ttgtatagca agaggggtata aagcaaatac aatatttttc agaaaaatta aataaaaaata 121260
gatttacata acattgtttt taatctcaa gatcaaattt caattttcat ctcattttaa 121320
aaccatgatg cacagtctcc tttatataca tcagttgggt gtcaaagtga cttttttctt 121380
gtttccaaat acagttattt ttaaaattta attgtatgat ttaggaattt gaaagcaagc 121440
cagtttgcac acacatagt tattatatgt gtgctttaga cttgggtttt agttaatgta 121500
acatgacagg gccacctgag ttatttgttt acaactagc tggaaagcca ccctggagga 121560
gaaacctggc aacaaaatgg tctgcagctt tgttattggt atctatagga ttggatgcca 121620
ttattgctgt aaaatagttc acaagaactc agtctatggg aaagactcaa aaattctttg 121680
cctgttaaag aaaaatcagg atattggact ggttagttta actaaaaagt gatgatactc 121740
agattctgct tggattcact gcttctcagc agttgttttg tttctttcta attgatattt 121800
tatttttcag agaaccatt ataaaactct tcttcttccc ttaaaatcac aaccacacaa 121860
cagcaattaa aacatgcttt gacgtaagac tgatatgggt ttaaaccag cttgactatc 121920
gaatttttta ctttaggcaa aacacctctg acatttatgt cttatcgtca gtaaaaaggg 121980

gtgattaaca gttttacaag attattcaat aaataaatat aaattcctcc ttttccttcc 122040
 tttccttttct tcatcttcag catctgcatg ccataagctc attttagttc tctggactca 122100
 tgtaacatg tcccaccttt cccaaattaa acatcatctc tgttattggc tccattcctt 122160
 tcctctcatt tgagacaatt ctttatcaac caacaccctc tctgctctgt attgtgaaac 122220
 tctgctccta ctacattaac agtctcttgg tttctttaaa aagaagacaa aacaattaaa 122280
 gaacagaagc aaaaaatcta ctcaaattccc caattgttac cctcaaaatt aattgtccca 122340
 cccctagctt tctcattgca caactctttg tcaaaatggt ttctaccatc acagccttca 122400
 atgatctttc tgggttccttt atctcctgaa gtctgacttc tacctccatc tttttctgga 122460
 ctattcaaca cactttgaga aaaaacatac ttttgttaaa caggtagtgc tccctgaagc 122520
 ataaaataca tagtactgaa agtgcacatg tgtgggttctt cccatttttt ttacagcact 122580
 tgaaactgac aagtagtagt accaattact tagtaaaaga cttttttcat ttcatttctg 122640
 aaatattggt attttccttt ttcattcttc atctctgact acacctcaa ttttacctct 122700
 ttgctgcctt ccttcctaag aaagtcttc atgcaatgcc atcttgtttt tcttcacttg 122760
 cctctttttc tacttttaat tttatgaact ctgatgactt acctctgtag tgtaactact 122820
 caaaatatgt atttctgaag tctcaactcc aatctcatat tttcaactta tatttatgga 122880
 ggcattctcag actcaaccta cctaaaaaat ggcttatctg ccctaaaatc tactttgttc 122940
 tttttttctc tactgctaata aattatcttc ctagttgggtc aagctcaaaa cctaatacatt 123000
 tttactcctt gtccctgtgt cagctgtcca cattcaagca gcgtatcatt tctgcacatt 123060
 tttcaagcaa gtcagtaact gccttttggt tgggactgtc ttttcatata gtgaacagcc 123120
 ttggaagata gaaatcattt ctcttctaa aacaaaaggc aggtgtgctt gcagccttgg 123180
 atagaggtag tgcctctttc taaagcaaag ggacatcttt actggccatt ataaaatatc 123240
 catgtttcct gagctctgcg ttcctctttt ctaatgcaac ccactgagca tgtaggtgtc 123300
 acctgagctt ttctgtggga attgcggtt gaggaatcag tgcaagaaaa tcatgatact 123360
 cttgctaata ctattaatgt gagtagtaaa gttaattgtc tctgacctag cactattgtg 123420
 tctttgcca gactcaaaa gactggcagg cttgcaagta ggacaaaatg ttagattttt 123480
 cacagtctt ctgcttataa gtacttgta aaaccaatta aaacacaact tgtagtttgc 123540
 acctataatt ttgtagcatt tgcttcttat ctatgtcact aggatgtgct tagtgacaga 123600
 cccatctatc atctattact caagtttttg gctgtattcc taggcaacag agagaagggg 123660
 aacaaacaag aggacctgtg cacagtttga gaaaggcaaa acaccgagct taattgcaga 123720
 cttgaatgta gctagcaaac gaagtaaggc aaaagggttc tttttttttt ttttagatgg 123780
 agtctcactc tgtcgccagt ctggagtgc gtggtgctgt ctcggctcac tgcaacctcc 123840
 gcctcctggg ttccagcgat tcttctgcct cagcctcccg agtagctggg actacaggca 123900
 tgtgccacca tgcccagcta acttttgtat ttttagtaga gacggagttt caccacgttg 123960
 gccaggatgg tctcaatctc ttgacctgt gatccgcca ttcggcctcc caaagtgtg 124020

p11089.ST25.txt

agattatagg tgtgagcctc cgttcccggc caaaagtttc cattttttaa atagttgggt 124080
 ttttagtttc gattctttcc aaaaaaagggt tttcttaaaa aaataaaatt agcaataaga 124140
 tgaaatataa caacaatata atcttattaa gacaatatat gatatacatt tatcaaaata 124200
 cttatatattt caaaagtgtc taaaataatc tagcacatag tagatgctca gtaaataattt 124260
 gatattatga ctgtgcatgg gtcattatag gctactttat gtatatcatt tcatttagta 124320
 caacatcact ctgaaaaatg ttttattgtt accgtttttc agttgaaaca tttacgttgc 124380
 tcaagatctc actggtacca tctactatta ggtagctctg ccaccaaatac tcatgctctt 124440
 aaatgccctt tttctcctga gcttccaaca aatagtgtac tgtatataat tggtgaagg 124500
 aggggactgt gagacaaaat atttagagtg aatgtgtagc cacaatttca gttcctcaac 124560
 aaagtataa aattaggaat catcctcaat atatattctt ccaacacaca cacacacata 124620
 cacacacaca cacacacaaa taccacaagc ccacttgaat gcacccacc tacacattgc 124680
 aaccatagag acaattgcag cattaaatac agaataattct gtgtgttgtt tgtttgttct 124740
 ccttttgcta caaaaatcag aatttctact caataaacag caaagggaga tacaaatgaa 124800
 ccaaattaaa gaaggaaaa atgttgaaaa aattatatac agaactatgt attgatttat 124860
 tgagagttca gtaatgtaat ccagaaataa tggatgcctt aaaagtaatt aaaagaatgc 124920
 aaataaacat ttagtgcaa ttaaagaaaa agaatacaaa cattagacaa aataaaagat 124980
 attcatttga tgcaatgagg aaataatctt ttattcctct ttaaattctc tgtggaataa 125040
 ggcattggtt taaataaata aacatctgcc ccatggactt aatggatcgt tatattttat 125100
 tgcgataatc ataataaat gtgtgggagg gattagtatc tctagtgtaa tgctaagaaa 125160
 gataaagcct gtgcccaggc aaaagctttc ttggttggtc aaaagggttg aagacatttc 125220
 aaactattct aaaacaaaca aacaagcaa caaacaacaa acatacaatg tctttgccac 125280
 atatttagga aacaaaatga acaatttatt tctgacaacc tcatagtctt tgttctgtca 125340
 gaacaataat ggaaaggctt aaaccagaaa atgctatgca ttgaatttat aataaactat 125400
 tttttcctgt aacaaaaaat tgataaactt gatatttgca gatttaatga ttatgtgttt 125460
 aaaaaaatc tgggttttgc ccttgcaaaa aatcatatat atacacatag atatgtatgt 125520
 gtgtgtgtgc atagtatata tatatgtata tacatatata tacacacatt tatatatata 125580
 aacatttcct ttaacctcct attttattcc aataaaaata ttggtattag agatagttct 125640
 gatatttcat catgaatagt taacattgca tttggaaagg attaattttt ttgaaacgta 125700
 attttacctt aataagtagc ccagcgtaat attttagtaa ttacacagat ttttttttca 125760
 agacatttga caactaatat tgcataatag ttaagagtgt gggcttttga gccagacttc 125820
 ctatctctgt tcattcactg ataaaatgga gacagtagta acttcctcaa agagttgttt 125880
 ttttaagatca aataatgcat ataaaactct tgaaatggta ccaataacag agtaagcacc 125940
 aaataaacat taactgttat tgttattcca tgtccgaata acacagaaaa gtaagaattt 126000

taatattttca tttgaatgac cttttaagga tacacctagc ccattatctt tcttgataat 126060
 cttgtaagat gattcctttt ttatctccga tctgttgagg catggataga gggttttcaga 126120
 gaaaacattt tctaggtaac tgaaagaaag tagcaacaac aaactgtgac aaaacttaac 126180
 aatgagagaa ttacaagat agaataattg caactccttt tgaaatcaac cactatgggtc 126240
 ctctggctgg gatagctaag caaagatatt ccagcctgaa gggtgagatc tacttgaaaga 126300
 gttttctatc cagattgtga gggcccctca aacttcactt agtatctggt tctattagta 126360
 tggaacttc tggaacctg tggtatcaca ttcacttgac tactttattc ctgctctagc 126420
 tatcttaaag cttttcttaa tcttttatct tttagagaag atacttctag gttttaaatc 126480
 caccgatctt gaagctattg ctttcactct ctgcttcaga gcccacctt ttgtatatga 126540
 gtagtttggt ttgcctaaag tactttctcc cagtcagatt ttaagtccag tttctcatct 126600
 gtttttgaga gcaaactcct gggccttggc tcactaacat cttgacagca tatttcttct 126660
 ttcttatggg cttttcagca ttccctgggt ttttctaaaa tatgaaagca gactctttat 126720
 ctcttacttt gtcaaagcct accctcccca ctgatttctc acccagttgc tagttttaag 126780
 acctgcctct ggccgggagc agtggctcac gcctgtaatc ccagcacttt gggaggccaa 126840
 ggtaggtgga tcacgaggtc aggagatcga gaccatcctg gctaacacag tgaaaccctg 126900
 tctctactaa aattacaaaa aaattagcca ggcgtggtgg tgagcgctg tagtcccagc 126960
 tactcgggag gctgaagcag gagaatggcg tgatcccgtg aggcagagct tgcagtgagc 127020
 tgagatcgcg cactgcact ccagcctggg cgacagagcg agactctgtc tcaaaaaaaaa 127080
 aaaaaaaaaa aaaaaaaaaa aaagacctgc ctccaaatat cattgtattt gcaaacatga 127140
 aatgacttat tgattctgag ctcagcaca gagcaaacct ttctcagctt gacccatctt 127200
 cacatcgta atgtcttatt cagtcactac ccaaggggct gaccttcaag attctaattc 127260
 atgaaagctt aaaatagtaa acaaatttga atatagttta acatacataa taaattttat 127320
 ttctagaaga ggaggatcag cccttagaca tgaaaagtaa aaatagttta ttcccagatt 127380
 tccctttgtg cattagtata ttcaaccgag tctatccaag taacaggaca aaaaaagctg 127440
 gcagttgttg ctgctgtg aagtcttatt aggtgagtc gctaattata tggcactacc 127500
 ataaatacag caggcactgc cctgcttggt aggccttgcca aggaaaataa ggattttaag 127560
 cagcactacta cctctttgct atataatgac attttcttct taaaaatgat tttgcaccaa 127620
 ttcttgattt atccaccaat ttttttttaa tttatggttg aatgtattta aacctgaatt 127680
 cagagataaa actagtaaat agtcccccaa aataacccca aatatattta atatattagc 127740
 ttactctct cctccactgc caaaccttta aaaactgaaa taaattggtt ttatttcctc 127800
 ttttctcttt ttctctctct ctaaggtgat tgccaagact aaagaaacag ctagaagggc 127860
 aaaagacaag aaaatcagta agatagtaac agattatcca aagtagagca cggctcaggt 127920
 gcagtggtct atgcctgtaa tcccagcact ttcggagggt gacgcaggag gatcacttga 127980
 gtccaggagt ttgagaccag cctgggcaac ataatgaaac ttcactctta taaaaaaaaa 128040

p11089.ST25.txt

aaatttaaag agccgagcat ggtggtgtaa gcctatagtc ccagctatctt gggaggctga 128100
 ggctggagga tcacttgggc ccaggagttg gagactacag tgagctatga ttgtatcact 128160
 gcattacagc ctgggcaata gggcaagacc ctgcctctaa acaaaagata aacaaagtag 128220
 agcataaatg gcttctaaat atatgttatt tatgtgtaag actgggttct ctaaagggtat 128280
 catttaatta aaatagatctt gcatttctca tctgtaggta tggattatgt ataattgtatt 128340
 taagatatga cttacagcgt tcaccaatgt gactattccc aagtgatcca gatggctgat 128400
 gacatagtaa tttgtacatt tgctgagacc tgatctgagt aggtatgtaa cataactgag 128460
 ggagagcaag tccatttgcc gaaagaaagc ctagcatatg acccaggagc cacatcttca 128520
 ctacgcttg ttgctagggt tggcttagca tatataatag catagcatgt ataatttatg 128580
 acaaaaaatt atactttgca ctttttaatt agaacattca aaatgatctc aggaagtggc 128640
 accagagatc atcagtggct tactgtactt cgtgtgtatg tgtctgtgag tatgtatgtg 128700
 tttgtgtgtg ttccacatt ctaaggcatg tcttttacag gttagtagaa aatgttgata 128760
 gaaaattata gatttcaaca tctaaaacac agtaggtcac tacattgtta aaacttggaa 128820
 ttttttatct tgttgtaaag tcaggccaac caaacctaaa atactgctac attgaaatag 128880
 tgcaaaatat tcaaaatact atagttatag atttggtagt aggactgtac cagacctgtc 128940
 actctataca agacttatgc cttgcccttt cacttacctg ttccctttta catctatctt 129000
 actagatgta atgctataaa ttatatttct aatatattat aatttatcat gtattataat 129060
 gtatcaaata ttacaaatta tgttgcaact ccccttacct ttcgtctgca tattgcctca 129120
 gaaagaacag atggatccaa cagacttcaa ccacaggccc ttagtgacaa atagctctta 129180
 atgctgggct tgccactttg atgcatttct aaagttatag aatgttaaag gcaccaagtc 129240
 ctttggctcat tttatttcta ccttagatct aagccataac tatactttcc caaaaattaa 129300
 agtttgaatt ttaacttaac catatataat tggaaaagga ggttgggttc gttaagtgtg 129360
 attttatcat gctttattat ctttgggca ttggatacag cagaacatgc caatttctat 129420
 ggcttctcat gtgacagaat atacttacta ggatgcaatt aaatactcct cagagtatgt 129480
 aaacaataaa tgtaatcatt acattatttt tatattgttc tttcttatgc ataatagtaa 129540
 gactgaaaat atagtgttat ttctgaaata tgcattatgt tttgcttttg atgattaaat 129600
 aacattgtcc aaagttttag gttttttgaa atcttatatt ttttaacaaa atatctagcc 129660
 tttccaaaac aagacctcaa taattcgttt aagaccaga gttgttcctc tccacataga 129720
 tctcttaaaa aggcagagga tttatgacct caagagaaat cagagtatcc aaagtttgct 129780
 ttaattcaat gtttttaaaaa taaaattcct tagattttat caaaaattga gattagtttg 129840
 attttgaatc agatgccctt tgctccccc cccaaaatgg cattatgagc agactaggaa 129900
 ttgataatag aaaattgaac atatgaaata tatctttacc ttgcttttta acaagggtatt 129960
 catgtctatc gccttcattt ttaagtgcac caataaaata catggtaatt ctcttagtga 130020

p11089.ST25.txt

aatatactat ctacactatg tacacactcc cctgtctgag gtagagaagt agagaatatt 130080
cacatttttg aaacgtctat gctattttta tttaaatacg agttctgggc ttgatttcat 130140
tttggaacac ggggtgtgtgc ttaagttgaa cctttttttc ctcttaagtc aaagttcttt 130200
tttagtttct tcttttatct ttttggctac tatctctctc cttcatcctc ctgggtgtgag 130260
ttgttgagtg aaggtattaa ttccattatt tgaggctaag tgacattggt caataatgca 130320
gcaaaacaat ggttctaccc aaaatatctt caagtgtaaa agcagtgggc aaaagagaaa 130380
gtgcgcttct gctgctttga atgtttaagg ctgtgaaagt tgatcacaca aattgggtca 130440
ttcttggtat acccaactaa aacaatcaag aagcctggga ggaaaagcat tcaagaaaca 130500
tcacattgct ccaaaagtgt aattttctac aagtccgcat gctgaggctg cctgttgtaa 130560
cctgggacca attttttctg taactgctga aaaaacttgc tgcagctcta ggactaattt 130620
tgcccaccac tgtcactcac caattgaagc ttactagctc ccagAACCT ttctagtgcc 130680
aatgaacttt ctcaaagagc agcgtgtatc atttctcttt ttcagaacac ctccaacctc 130740
ctctttgttc tttgggtata ccaaagacca accagccttg aatttcaatt tttcttcca 130800
cataaaagt ttaatttaga aatgtatctc tacatttcta actttgacaa agcatagata 130860
ccagataatt gatgaaacct tgctatttta acgataacca tggattactt cccagtgtct 130920
tcagataacc ctcaacattt gccaacattt gatggacttc aaaatgagca tatctttttt 130980
aaaaaaaaatt attcacactg acagcaagta cattgggtata ctctatatta aattatacca 131040
caggggtttac aaacaattgg tgatgtcggg cagtgggttc caaggaacat acttaacaag 131100
acactcaciaa ggccctacaa acctgcattt ttaacaaggg ccctagatga ttctagaaga 131160
gtgtgggttg gaaagcaatt tttgccttta ttatgtgtca ttttaaataat atttaaaatt 131220
aaagttataa gtcatagaat tgaataaaga taatttcctt acagaaagta ttactaggta 131280
tctaaataca atatggttca aaacaggaaa tttaaaaaga ttatgtaaat tctgtagttg 131340
tattcctaaa gacagtagct gaaatttttt cctacttctc cttgtatcac ttcccttttc 131400
cttcactttc acttccctgg aattgtactt cccaataagc tattagcagt gaagggaagct 131460
tcgtctcatg atctgtttta tagagcactt cagctgggac gagtacgaaa tgataatcag 131520
ttatatcagc tattcaaccc tacagggtta tttaaaaaga acttgaataa gcttttttagg 131580
gagaaagagg tcagtctcag ccatttctgt ttcctaataat agcttttaag tctttcctta 131640
ttagcaatga gggtcattcc attgtaattt tttgataacc atttttcttt ctgtgtgtca 131700
aatgcagata taagatactg aactgagtct atttactgt tcgtaaaaca atcccatttg 131760
aaaaaaaaaa gtctacagct attccaggga tagggcctag tagagagaga ataaaaggta 131820
ttttcttact atgtctctat atcctaccct gtaggttctc ttattaagca tacaggcata 131880
taccaaaatc cagacgtttt tctcatttat tttattgccc taacatatc tgggttaata 131940
taatatacata atgaaaattt gagaaaaaat tgattttttc aaaagtgttt aacatttgtt 132000
atattggtag ttttttttct tgtttgtggt aaaaataaat agaagggtgca cttcacacct 132060

p11089.ST25.txt

tcaagtatga ttatatTTTTG aaaacaagtc atgaatactc ataaaaatgca aatttttaatg 132120
 ttctttttttt gttacagcca aactatatta ggcacagttg taaattggag ttgaaattta 132180
 atatttcttt atagataaca atgttttttag aaataggttt atgaaacagt aaatatacag 132240
 gtataggggat aaaattgtgt ctgatggtca tatgaagtgt ttgttggttat attctccttg 132300
 gaatagctgc caaatatttt agtatgctta aaatctacga atgtgataga gtcaacaaat 132360
 ttagatcaca tattcagaaa aacatagtta gagaactaac tattgaaatg agcatacagc 132420
 agtcttcctt tatctacagg gatacattct gaaaccccca ctaggacacc tgaaattgcg 132480
 gatagtagca aaccctacat atactgtttt ttccaatgct tatgtaccta tgaaaaagt 132540
 taatttataa actaggcaca gtaagagatt aacaacaata actaataaca aaagagaaca 132600
 attataataa tatactgtaa taaaagttat gtgggtatgg tctcgctttc tctttccctc 132660
 tctctctgtc tctaaatatt ttagtatttt ggggttgcaa ttggtggtgg gcaactgaaa 132720
 ccatggaaaa caaaaccacg gataaaagga gactactgta tatacttttt aaaactgatg 132780
 aaatattaaa ctcatgtttc ttctatatcc caccattttc cccaccccaa acctagatag 132840
 atatcttatt tgatctgtaa acatttaatt aatttgtaaa agttaagaac tttttgaagt 132900
 aaaactgcaa tatatcatca cacctaaaga aataaacaat aattcttaaa tatcaagtca 132960
 gtgttcaaat ttccccaact acctcatatg tgttttccat ttgcttatgt agggttccca 133020
 atgagaatga aataaagttc ttaggttgca attggctaatt gctctctcac ttctacttta 133080
 agcggcaggt tcccactaac ttcttttttag ttgcaattta cttattgaaa ttagacgtat 133140
 tctttgtctt gtgtagtttc tcacagtgc aaatttgctg attgtagcca ctgttgtaag 133200
 caatgaacat gtttttcacc accttatatt tgctgtaagt tgtcagtgat agttaaatgt 133260
 taatcaaatt caaattcgga tcacgtaggg cttttctttt tttgttttct ttttctattt 133320
 atatatttat ttattttatt tgagacggag tctcactccg tcaccaggct ggagtgcaat 133380
 ggtgtgatct gggctcactg caatctccac ctcccggtt caagtgattc ccctggctca 133440
 gtctcccgag tagctgggac tataggagaa ccaccacgcc cggctaactt tttgtatttt 133500
 agtagagatg gggtttcacc atgttgcca ggatgctata gatctcctga cctcaccgat 133560
 catgtaggac ttcaattgtc gaacaaacga acctttaata gcagttacac cattaggatg 133620
 acctgatcca acatcgaggt cgtaaaccct attgtcgatt tggactctag aataggattg 133680
 tgctgtcatc cctagtgtag cttgttccca cttgatgaag ttattggatc agtgaacaat 133740
 agcccactta aactagtaca gtcttagttt aagatggtga tgtgtatgta cttccatcag 133800
 agggcacata atacagtaaa tcctcactta acttcatcaa tagtttctgg aaactgtgac 133860
 ttgaagcaaa acaacatata acaaaaccag ttttaccatt ggctaattga tataagcaag 133920
 aattaagtcc tatggcaaat ttctggacac aaaaacacca tcaaactcct aaataaagat 133980
 aaatcacttc tgacattaaa cattgaaatt aatgtgagct atatatacgt ttaagaaaga 134040

ttaatacaaa caagtcaaat aacttaccta attatttcgg tggaggccgc aggtggttgg 134100
 agcctatcct ggcagctcag ggagcaatat gggaaccac cccggacagg acgctgttcc 134160
 attactgcag ggtgctcttg tacacacca ctcaccagg ctggaaccat gcagacacac 134220
 aactcacct aacctacaca tctgtgtaca tccttcaaag ttcagccaaa taacatataa 134280
 acaaatccag taatatccat cagtcttagt tccgtcataa caactccttt ttgatcatca 134340
 aacaacaaac agggtaggtc tgccatattt acttgctctg tccatatcaa aattttctaa 134400
 caaattatat tagaaaatca aatctctgtc agtttcaaaa tcatggaaaa aaatttgcct 134460
 tatttccctt atacttggat atcctaacag taatctaaat attaatgaga aagttaatga 134520
 tgtcgtttcc ttctccctgt tgtaaagaag gttttgctgt cccgtttgat cactaagact 134580
 aattgacact cagaaaaagc ataggaaact tctcagcatc acaaaagctc tgtcatctag 134640
 agaagctagg acttgagctc aagtcctgtg acatggaagg ccttggtgcct agccatcctg 134700
 cagcagaggc gtatctacca agaagtgaac cactacgaaa acagtatgtt tactccacat 134760
 tttaaagtga ggtagtttgg ggtggttcat attttattta atttatatat tatttggatt 134820
 ttttttagtt tataaaaagg gcattggcaa gggcagaatg atctgtaagc ttctctgccc 134880
 acctaccata agcatgatct ttagtgtgac cttttcttac tgtagccat tttcttatac 134940
 ttctgcgtcc ctgtcagtca cttccatgtg aagacatggg gaagcttttt tacatcagac 135000
 atgttgttga aaatcagccg cgttggctga gggattatth gatctctttc tccaagtccc 135060
 tttaggctca cattgcctct ctgttctttg aattttcact tacctttatc ttcttataat 135120
 tactttgctg aaataaatgc aaagcaacaa aaggtattta gtgaagaata ccaacaaagc 135180
 catgaccatt tcaggctgag ttttgtagta ttctttgtct aggaagagat acctagaaaa 135240
 attttctgac catgtatttg attattttcc ttcaatatgt atagtctcag tcttcaaatt 135300
 tcagaaaaga atttgtttct tcattgtcat ttaaaattaa tgtgttaa atgtatgctt 135360
 ttacattata agtggttata aaagttaaac acttagaaaa aaagtcaaaa taacatacat 135420
 actatccaac aaaataactt tcatatttta ttgtgttttc ttccaaactt tttacctttg 135480
 cgtctgaatt ctgtgtaggt tgtatctata atatagacaa cactttatag cctgctaaat 135540
 attataccat aaataggtag ttgttacata attctcaggt aatagtaata caggtcttta 135600
 tcataatcta ctgagtagtt gaatgataat tttttttaag acaaggctc cctctgtcac 135660
 ccaggctaga atgcagtggc atgcacatgg ctactgtag cctctacctc ccaggctcaa 135720
 gtgatcctcc tgcctcagcc tccaagtgg ctgggactgt aggcattgtc caccatgccc 135780
 agctatttat ttgtattttt agtagagatg gggtttcatt gtaacagccc aggctggtct 135840
 tgaactcctg gactcaaag atccacctgc ctcagcctcc caaagtgtg aaatcacagg 135900
 agtgaaccac tgcaccagc aataattttt taactcttca ttattcattg aacatttagt 135960
 taacaattct aaaaattttg tttcctgctg tcattgatct tgtgaaaa atctttggac 136020
 tatagctgtg gattattttcc taaatagtaa attacttgag caaaaagttt acatactttg 136080

p11089.ST25.txt

agggttgata acccatgttg ccgcaatgtt tccccggagg cattgtggag tttagaatgc 136140
 cagtagtaat attaagggtgt gccattttca agatccgtgg ccaacatccc tatatgtaag 136200
 atttttccaa aacatgggttc tgatttttaa aagtgaaaaa tgctacttca tcatgttctt 136260
 tttgtgcttc ttacttttaa tattagaatg aagaaggagc cccacaggaa ggaattcttg 136320
 aagatatgcc tgtggatcct gacaatgagg cttatgaaat gccttctgag gtaggagtcc 136380
 aagctgaatc tttctaaca gacagtacca aaaacctgtc attgtcacat ttctctttca 136440
 ttagtgctta gtgagaatca tttgctctct acatgctcat tacgtggaca acttgcaagt 136500
 taagaatagt ttttacattt ttaaagggtc cttaaaaaaa aagaggagga ggaagatgaa 136560
 gaagaggaag aaaggatgta aaagaaatca tatgtagtcc acatagctta atatacttac 136620
 tacttgaccc tttacaggaa aagtttacta acccctgcat tagagaatat attttttagaa 136680
 actttacatt ctaaaataaa tttctaaatg gaaagttagg gaaatcaatg gaatgccaaa 136740
 ggaagggttat tattttttgc catacatgtc caatgggatg acgcatagta aaataaaagt 136800
 taccacaca agttatagaa taaaaagata aatgcatgat ttgcgacaat tgatatattc 136860
 cagtataatg ttttaaaca cacaatatga ttgttaattt tattttgatt gaaaatgaaa 136920
 gtatctttaa tagaaaatgt atcaaaaggg aaattagaaa atactgttag atgaataaaa 136980
 ctggcccaag aagaaacagt aaatctgaat agatttgtaa cacagcgaat agattaaatt 137040
 agtaataaaa aaaaaaacct acctgcaaag aaaatcccag gccgagatgg catcactggg 137100
 aaattctacc aaacatttaa agaggaatta atactaatta gttaacacca attaatatct 137160
 cttacaaaac agaagaggag acatttccca actaattttg tgagaccaat attaccctga 137220
 taatcaaaac caaacgaaga tatcacaaga aaagaaacta tataatggct ccattaaaaa 137280
 ttgagttcaa gtatgttgta gtttggttat gtattattcc tcacggcatt attaaaaggc 137340
 atgtcgagga tgggcacagc agttcacacc tgtaatcccg cactttgtga gccaaagtgg 137400
 ccagggttact tgaggccagg agttggagac cagtctggcc aacatggtga aaccccatct 137460
 ctactaaaaa tacaaaaatt agccgggcat ggtggtacac gcctatggtt ccagctactt 137520
 gggaggctga ggcattgagag tcacttgaac ccaggaggca gaggttgacag tgagctgaga 137580
 tggcaccctt gcactccaat cttggtaca gagcaagact gtctcacaca gacacacgaa 137640
 aggcataattg ataataattc aacttataga aattgagatt aaattgtttg tttgcctaatt 137700
 aagaatttcc aatatttttg ggtcttttat gcaagacaca gtactaaaca caatggaaaa 137760
 ctatagagta attgacatta ccaggacata aggagtttac agtctggtag gtttgatgaa 137820
 aaaaaataga aattcattca ttcatttctt cattatgatt cctttaaca acataattga 137880
 ttgtcttcga tgtaccaggc atcacaggag caaaaatata taagacatac taaaaagtaa 137940
 aacattttta agatctgttt caatcaatca ggagaagttt tattgaggag gtaatgttga 138000
 tctgggtggg aaaaggtaag agatatagta ggtcaaaaca aacagaggac attctggcac 138060

aaggggaatat cagaagcaaa ggcattgtatg tctgagcatg caaatggata tgtctgagaa 138120
cagtgaataa ttatgactca agcttaggaa caaggaaaat ggtgatagat tgaatttgca 138180
gctatggggtc aaagacaagt tatagagtat taggataatc ttgtcatttc agcttgtatt 138240
ctattcagaa aacaacttga gttattgaag ttatgcttat ttgtttgttt ttaagcagaa 138300
tcctgatatt attagagttg ctcttttagga ggaataatct gatcccttta attaaatcca 138360
ttaatatattg tgttgtggat gctatccaga tactgtatgg agagcttgag gtttgaaata 138420
caagtaataa ttgaagccat agatgaagac gaaattttca actgggagag tgaaagtagg 138480
gaaaatgtat cttgccttca aacatcttaa tttccttctg agaattagag catcttagtc 138540
tggaagaggc tttatagaca gcttgattttt gttctcacat tttacagggtg aagaaactga 138600
gaaccagaca gtccaactta tttgtcctac caaactagggt atatgatcat taaatgggtgc 138660
atccggatca gaacctagat attttaactc tgactactac tgtaattcac ttttatatca 138720
gacaagaaag acacaactat taaaaataag ataatatattg ctgcagaata tttgcaaaaa 138780
cattgattgt aaatttttagt gtaagtgggg agccatttcc tatctcattg gctgtcagt 138840
ctgatgcgta attgaaactt atactaacag tgtgtgctgt ctttttgatt tttctaatat 138900
taggaagggg atcaagacta cgaacctgaa gcctaagaaa tatctttgct cccagtttct 138960
tgagatctgc tgacagatgt tccatcctgt acaagtgtct agttccaatg tgcccagtca 139020
tgacatttct caaagttttt acagtgtatc tcgaagtctt ccatcagcag tgattgaagt 139080
atctgtacct gccccactc agcatttcgg tgcttccctt tcaactgaagt gaatacatgg 139140
tagcaggggtc tttgtgtgct gtggattttg tggcttcaat ctacgatgtt aaaacaaatt 139200
aaaaacacct aagtgactac cacttatttc taaatcctca ctattttttt gttgctgttg 139260
ttcagaagtt gttagtgtt tgctatcata tattataaga ttttttaggtg tcttttaattg 139320
atactgtcta agaataatga cgtattgtga aatttggtta tatatataat acttaaaaaat 139380
atgtgagcat gaaactatgc acctataaat actaaatatg aaattttacc attttgcgat 139440
gtgttttatt cacttgtgtt tgtatataaa tgggtgagaat taaaataaaa cgttatctca 139500
ttgcaaaaat atttttattt tatcccatct cactttaata ataaaaatca tgcttataag 139560
caacatgaat taagaactga cacaaaggac aaaaatataa agttattaat agccatttga 139620
agaaggagga attttagaag aggtagagaa aatggaacat taaccctaca ctcggaattc 139680
cctgaagcaa cactgccaga agtgtgtttt ggtatgcact gggtccctta gtggctgtga 139740
ttaattattg aaagtggggg gttgaagacc ccaactacta ttgtagagtgt gtctatttct 139800
cccttcaatc ctgtcaatgt ttgctttacg tattttgggg aactgttggt tgatgtgtat 139860
gtgtttataa ttgttataca tttttaattg agccttttat taacatatat tgttattttt 139920
gtctcgaaat aatttttttag ttaaaatcta ttttgtctga tattggtgtg aatgctgtac 139980
ctttctgaca ataaataata ttcgaccatg aataaaaaaa aaaaaaaagt gggttcccgg 140040
gaactaagca gtgtagaaga tgattttgac tacaccctcc ttagagagcc ataagacaca 140100

p11089.ST25.txt

ttagcacata ttagcacatt caaggctctg agagaatgtg gttaactttg ttttaactcag 140160
 cattcctcac tttttttttt taatcatcag aaattctctc tctctctctc tctttttctc 140220
 tcgctctctt tttttttttt ttttttttta caggaaatgc ctttaaacad cggttggaact 140280
 accagagtca ccttaaagga gatcaattct ctagactgat aaaaatttca tggcctcctt 140340
 taaatgttgc caaatatatg aattctagga tttttcctta ggaaagggtt ttctctttca 140400
 gggagatct attaaactcc catgggtgct gaaaataaac ttgatggtga aaaactctgt 140460
 ataaattaat ttaaaaatta tttgggttct ctttttaatt attctggggc atagtcattt 140520
 ctaaaagtca ctagtagaaa gtataatttc aagacagaat attctagaca tgctagcagt 140580
 ttatatgtat tcatgagtaa tgtgatatat attgggcgct ggtgaggaag gaaggaggaa 140640
 tgagtgacta taaggatggt taccatagaa acttcctttt ttacctaatt gaagagagac 140700
 tactacagag tgctaagctg catgtgtcat cttacactag agagaaatgg taagtttctt 140760
 gttttattta agttatgttt aagcaaggaa aggatttggt attgaacagt atatttcagg 140820
 aaggttagaa agtggcggtt aggatatatt ttaaatctac ctaaagcagc atattttaaa 140880
 aatttaaaag tattggtatt aaattaagaa atagaggaca gaactagact gatagcagtg 140940
 acctagaaca atttgagatt aggaaagttg tgaccatgaa ttttaaggatt tatgtggata 141000
 caaattctcc tttaaagtgt ttcttcctt aatatttatc tgacggtaat ttttgagcag 141060
 tgaattactt tatatatctt aatagtttat ttgggaccaa acacttaaac aaaaagttct 141120
 ttaagtcata taagcctttt caggaagctt gtctcatatt cactcccag acattcacct 141180
 gccagtggtc ctgaggatca atccagtcct aggtttattt tgcagactta cattctcca 141240
 agttattcag cctcatatga ctccacggtc ggctttacca aaacagttca gagtgcactt 141300
 tggcacacaa ttgggaacag aacaatctaa tgtgtggtt ggtattccaa gtggggtctt 141360
 tttcagaatc tctgcactag tgtgagatgc aaacatgttt cctcatcttt ctggcttatc 141420
 cagtatgtag ctatttgtga cataataaat atatacatat atgaaaatat gtatttggtt 141480
 tctgcctcca gttcttaca agagctcta aaacccttgt aatttcctga gtagtagggg 141540
 tgctagggtc atcttttgtt ctaatatatt gtctttgact ctgctttctg acagagctcc 141600
 ttagtccctg ggtgagagta gcatcttctc ttctaataaa gtgactcttg ctgggttcct 141660
 ggatgggggc tggtcaccag aaagggtcaag ccatgataag aagcttgaag cttttggccc 141720
 cattcacatc ttctggggac gggagagaag aggagctgga gattgagtta ataagcaaca 141780
 atgcttccat gatgaagact ccataaaaat ccctaaaaga caggattcag agtgctttga 141840
 aataggtgaa catgcagagg tgctgggaat tgtggtgtgt ccagagaagg catgcaagct 141900
 cccacgcct ccccataacc tttccctgtg catctcttcc atctggctgt tcctgagttg 141960
 tatcctttta taacaaactg gtaatctagt aagcaactg ttttcctgaa gtctgtgaat 142020
 cacactagca aattatcaaa cctgaggaga gggccgtgga gacctggat ttgtagacaa 142080

p11089.ST25.txt

```

gtcaaacaga agctatgagt aacatgagga ctcattgctt gtgattgtca tcttcagtgg 142140
gaaggggaaa aatcttgtaa aactgagtcc ttaacctgtg ggtcaatgct aactccaggt 142200
agatagtgtc cgatttgaat tacgggacac ccagttggta gccacaaaga atgggagaat 142260
tgcttggtgt agaaaacaca cccacacac acatgtggtg tcagaaatga accggaaata 142320
ttgtgttccg gaaatattga gtgttgtagag tgagtgtata gaaagaaaaa cagcgtttcc 142380
ttttcactac tagattaaaa caaacacact catgcattca cacatctcaa agacaactat 142440
taattctcaa agacagtgtc gtctaaatcc atactgagga agaaaacaca ttttcttttc 142500
aaatctgtaa acctgacaga ctgcctctgt ccacacacta atggaactct gtgtttcatc 142560
tgaaatgtgt tcatcccact ttgttctttc tgtcttgggc agggcaagag tgcaacaggg 142620
ctgacatttt catatgagct ctgtccctgt tattggctat actttagaca aattattatg 142680
tgtcaaatat agatgtaagt gatttatcaa tattaagtca ttttaattctc aaaacaacct 142740
taatagggttc cattatgatt ctaattttac acataagcca aaggaggcac ccacaggcta 142800
gataactttc ccacggccac acagctagta agcggcagag ccaagaggcc caacattaca 142860
gcaccacagt ctgtgctctc agccccttg ccacatagtg tcagagtgtg gacacacagc 142920
tatttaagaa aacttccaga agtctaggaa atggggtgat agccccactt ttctaggtat 142980
aataattaga tatttgtttt tcttcaggta cctaaagaaa atttactaga gtttgagcct 143040
ttagtaagtt ttgctagtac atctgttttt cttcagggtgc ctgaagacaa acatatacac 143100
acacacacac acacaaacac acacaaaatg tgtatctata tatatgtgta cacatatctc 143160
tcatctctat atatatgtct ctgtatatct atatatctat aaacatatct atatctatag 143220
atacatatag agagatttct tttttttttt ttttgagatg gagtcttgct cttgccacct 143280
aggctggagt gcaatggcac aatctcagtt cactgcaacc tccgcctccc aggttcaagc 143340
gattctcctg cctcagcctc tcgagtaggt gggattacag gaacacacca ccttagcccc 143400
actaattttt gtatttttag tagagacagg gttcaccacg ttggccaggc tgggtctcaa 143460
ctcctgacct caggtaatcc acctacctg gcctcccaa gtgctgggat tacagggtgtg 143520
agccaccatg cctggccaag atttctaatt ctaagagaaa ttagcacctg ataggtattt 143580
ccttgtaaat aaaccgggca tatcctgatt atagaactaa gttaattatt ttccgtggaa 143640
gatacgaatg ttgatgcaat aagagcagca gtctacagta aggtgggctt tgtaattttc 143700
tgtgttgaat catggcatgg gtacttggct tatgtcaaat agacaaaaaa atataaatta 143760
aggataact gggattgtca attatacata tttagtaatg gaatgaatga atttataaat 143820
agatagtaaa gggcatgaat taagaatcta taggtataaa taatattagc aacttaatat 143880
tgtataataa agtttgattt tctaggtgta gttgattgat gcagtaatgt tcgttttatc 143940
ctttgagtaa gcctagaatt gaagaacca aaatgcaata gaatagatat aacattgaaa 144000
ctattcctaa atatgatttt agttccaatg ttctttgtgt aattacctaa gcttttcttt 144060
aatgtttttg ctgctactac agtatcctta attatttgaa atcttatatt ggaagcagtt 144120

```

p11089.ST25.txt

```

aaaccacatt ccttcaaaga gcccttagtt tgagcctcta gtaagttttg ctagtataat 144180
ttggtttttaa aattggctag aattgcatag ggaattttcca taacgtatag ttgatctgca 144240
actatagggtt aacatactag gatggcttct cttatgaacc ttatgaaaat acatcctcag 144300
attccctgga aggtcagtga ccagaaatcc tcgtttgtttc tatggcaaca cagcaagata 144360
tggtgccttg gaaatgtgct gcattttaat taggttcctc tagggcttcc taactgcctt 144420
ttgcaggtaa actaaatatc agattgcctt ttatcttgca acaaaatgaa acctaacca 144480
tgtctgtaaa tgtcaaagct aagctgtggt ccagtaaagc tgaatccaaa caaatatagt 144540
agcaagtcac gtttttatct tagaaaagaa tacaatactc ttacctaga atagtcaagg 144600
atgctgctta atgaggtagg ttagagtaat agagactatc ctgaactcca aaactattaa 144660
tagactatgg aacttcgact cccatttatg tctcttacta cttaatatta gtgtctctgt 144720
ttccttatat gtaaatatgc aatgataaa aatagtgcct catagcattg ttgcatgcat 144780
taagtgaagt aatgtaagt gaatacttag gactgcctgg ctgatatgaa gtgatctatg 144840
agtcaatgat gctatttatt agtagtagta ctagtacagc aactgtatt tttaaaggta 144900
aataagaaat aacaattttt ttaaattgtc atatacattc acatgtcttc ttttaatata 144960
aaatagcaat caagatcagg ataattgtag agatattttg gagacacaag gcagaagcta 145020
tttactaata gctaggggag ctttttacta gtttactaac caatattact atacttatgt 145080
gtacttagca gaatatcacc tagcaccaa aagaaattaa gaaagtgtaa cttactgaga 145140
agtgaatatg caccaactcc ataaacacta tgtttatgga acacatctaa ctttagactt 145200
agctatactc atcgactcac atatcttctc atccaagtgg gatgtgttta atatttacca 145260
tatattcata agttcactga gtattgttct ggtaactaga aaaaaaaaaag gacaagcata 145320
tataagtaaa actcactgat ttaaaacaga gtattatcaa ctacaaaaga aaaaaaaaaac 145380
cacttgaacc tccactgatt tctcaaactc catttatttc ccattatctt ccctcatacc 145440
tcttgcatth atttggttaa atttcttttt gatccaaaag gaagcaatgt ttacctgaca 145500
atttctactt tatgccagaa caacaaatgt accagcaatt acaatatttc caagaaaagt 145560
attgtttgtt ttctcttcat gtctttggtg agtctctcgg aattag 145606

```

```

<210> 8
<211> 4349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(4349)
<223> LOCUS DRPLA 4349 bp mRNA linear P
RI 13-MAY-2002
DEFINITION Homo sapiens dentatorubral-pallidoluysian atrophy (at
rophin-1)
(DRPLA), mRNA.
ACCESSION XM_032588

```

p11089.ST25.txt

<300>
 <308> XM_032588
 <309> 2002-05-13
 <313> (1)..(4349)

```

<400> 8
acgccatact ggacgccaaag tgggaggaac ttcaaggctg tcccctgcgg gcctcccgct    60
ctgcttctgc gaaggtttca ttgaaaacag atcctgcaaa agttccaggt gcccacactg    120
gaaacttgga gatcctgctt cccagaccac agctgtgggg aacttggggg ggagcagaga    180
agtttctgta ttcagctgcc caggcagagg agaatggggg ctccacagcc tgaagaatga    240
agacacgaca gaataaagac tcgatgtcaa tgaggagtgg acggaagaaa gaggcccctg    300
ggccccggga agaactgaga tcgagggggc gggcctcccc tggagggggtc agcacgtcca    360
gcagtgatgg caaagctgag aagtccaggc agacagccaa gaaggcccga gtagaggaag    420
cctccacccc aaaggctaac aagcaggggtc ggagtgagga gatctcagag agtgaaagtg    480
aggagaccaa tgcacaaaaa aagacaaaaa ctgagcagga actccctcgg ccacagtctc    540
cctccgatct ggatagcttg gacgggcgga gccttaatga tgatggcagc agcgacccta    600
gggatatcga ccaggacaac cgaagcacgt cccccagtat ctacagccct ggaagtgtgg    660
agaatgactc tgactcatct tctggcctgt cccagggccc agcccgcccc taccaccac    720
ctccactctt tcctccttcc cctcaaccgc cagacagcac ccctcgacag ccagaggcta    780
gctttgaacc ccatccttct gtgacacca ctggatatca tgctcccatg gagcccccca    840
catctcgaat gttccaggct cctcctgggg cccctcccc tcaccacag ctctatcctg    900
ggggcactgg tggagttttg tctggacccc caatgggtcc caagggggga ggggctgcct    960
catcagtggg gggccctaata gggggtaagc agcaccccc acccactact cccatttcag   1020
tatcaagctc tggggctagt ggtgctcccc caacaaagcc gcctaccact ccagtgggtg   1080
gtgggaacct accttctgct ccaccaccag ccaacttccc ccatgtgaca ccgaacctgc   1140
ctccccacc tgccctgaga cccctcaaca atgcatcagc ctctccccct ggcctggggg   1200
cccaaccact acctggtcat ctgccctctc cccacgccat gggacagggt atgggtggac   1260
ttcctcctgg cccagagaag ggcccaactc tggtctcttc acccactct ctgcctcctg   1320
cttctcttct tgctccagcg ccccccata ggtttcttta ttcatcctct agtagtagct   1380
ctgcagcagc ctctcttctc agttcttctt cctcttcttc tgctcccc ttcccagctt   1440
cccaggcatt gccagctac cccactctt tccctcccc aacaagcctc tctgtctcca   1500
atcagcccc caagtatact cagccttctc tcccatccca ggctgtgtgg agccagggtc   1560
ccccaccacc tcctccctat ggccgcctct tagccaacag caatgcccat ccaggcccct   1620
tccctccctc tactggggcc cagtccaccg cccaccacc agtctcaaca catcaccatc   1680
accaccagca acagcaacag cagcagcagc agcagcagca gcagcagcag cagcagcagc   1740
agcatcacgg aaactctggg cccctcctc ctggagcatt tccccacca ctggagggcg   1800
    
```

p11089.ST25.txt

gtagctccca	ccacgcacac	ccttacgcca	tgtctccctc	cctggggtct	ctgaggccct	1860
acccaccagg	gccagcacac	ctgccccac	ctcacagcca	ggtgtcctac	agccaagcag	1920
gccccaatgg	ccctccagtc	tcttctctt	ccaactcttc	ctcttccact	tctcaagggt	1980
cctacccatg	ttcacacccc	tccccttccc	agggccctca	aggggcgccc	taccctttcc	2040
caccggtgcc	tacggtcacc	acctcttcgg	ctaccctttc	cacggtcatt	gccaccgtgg	2100
cttctctgcc	agcaggctac	aaaacggcct	ccccacctgg	gccccaccg	tacggaaaga	2160
gagccccgtc	cccggggggc	tacaagacag	ccaccccacc	cggatacaaa	cccgggtcgc	2220
ctccctcctt	ccgaacgggg	accccaccgg	gctatcgagg	aacctcgcca	cctgcaggcc	2280
cagggaacctt	caagccgggc	tcgcccaccg	tgggacctgg	gcccctgcca	cctgcggggc	2340
cctcaggcct	gccatcgctg	ccaccaccac	ctgcggcccc	tgccctcagg	ccgcccctga	2400
gcgccacgca	gatcaaacag	gagccggctg	aggagtatga	gacccccgag	agcccgggtc	2460
ccccagcccc	cagcccctcg	ccccctccca	aggtggtaga	tgtaccagc	catgccagtc	2520
agtctgccag	gttcaacaaa	cacctggatc	gcggcttcaa	ctcgtgcgcg	cgcagcgacc	2580
tgtacttcgt	gccactggag	ggctccaagc	tggccaagaa	gcgggccgac	ctggtggaga	2640
aggtgcggcg	cgaggccgag	cagcgcgcgc	gcgaagaaaa	ggagcgcgag	cgcgagcggg	2700
aacgcgagaa	agagcgcgag	cgcgagaagg	agcgcgagct	tgaacgcagc	gtgaagttag	2760
ctcaggaggg	ccgtgctccg	gtggaatgcc	catctctggg	cccagtgcct	catcgccctc	2820
catttgaacc	gggcagtgcg	gtggctacag	tgccccctta	cctgggtcct	gacactccag	2880
ccttgcgcac	tctcagttaa	tatgcccggc	ctcatgtcat	gtctcctggc	aatcgcaacc	2940
atccattcta	cgtagccctg	ggggcagtgg	acccggggct	cctgggttac	aatgtcccgg	3000
ccctgtacag	cagtgatcca	gctgcccggg	agagggaaac	ggaagcccgt	gaacgagacc	3060
tccgtgaccg	cctcaagcct	ggctttgagg	tgaagcctag	tgagctggaa	cccctacatg	3120
gggtccctgg	gccgggcttg	gatccctttc	cccgcacatg	gggcctggct	ctgcagcctg	3180
gcccacctgg	cctgcaccct	ttcccctttc	atccgagcct	ggggcccctg	gagcgagaac	3240
gtctagcgct	ggcagctggg	ccagccctgc	ggcctgacat	gtcctatgct	gagcggctgg	3300
cagctgagag	gcagcacgca	gaaaggggtg	cggccctggg	caatgaccca	ctggcccggc	3360
tgacagtgct	caatgtgact	ccccatcacc	accagcactc	ccacatccac	tcgcacctgc	3420
acctgcacca	gcaagatgct	atccatgcag	cctctgcctc	ggtgcaccct	ctcattgacc	3480
ccctggcctc	agggcttcac	cttaccggga	tcccctaccc	agctggaact	ctccctaacc	3540
ccctgcttcc	tcaccctctg	cacgagaacg	aagtctcttc	tcaccagctc	tttgctgccc	3600
cttaccggga	cctgccggcc	tccctttctg	ccccgatgtc	agcagctcat	cagctgcagg	3660
ccatgcacgc	acagtcagct	gagctgcagc	gcttggcgct	ggaacagcag	cagtggctgc	3720
atgcccata	cccgtgcac	agtgtgccgc	tgccctgcca	ggaggactac	tacagtcacc	3780
tgaagaagga	aagcgacaag	ccactgtaga	acctgcgatc	aagagagcac	catggctcct	3840

p11089.ST25.txt

```

acattggacc ttggagcacc cccaccctcc cccaccgtg cccttggcct gccaccaga 3900
gccaaagagg tgctgctcag ttgcagggcc tccgcagctg gacagagagt gggggaggga 3960
gggacagaca gaaggccaag gcccgatgtg gtgtgcagag gtggggagggt ggcgaggatg 4020
gggacagaaa gcgcacagaa tcttggacca ggtctctctt ccttgtcccc cctgcttttc 4080
tcctccccc tgcccaacct ctgtggccgc cgccctctcc ctgccccgtt ggtgtgatta 4140
tttcatctgt tagatgtggc tgttttgcgt agcatcgtgt gccaccctg cccctccccg 4200
atccctgtgt gcgcgcccc tctgcaatgt atgccccttg ccccttcccc acactaataa 4260
tttatatata taaatatcta tatgacgtc ttaaaaaaac atcccaacca aaaccaacca 4320
aacaaaaaca tcctcacaac tccccagga 4349

```

```

<210> 9
<211> 13994
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(13994)
<223> LOCUS      SEG_HUMHD      13994 bp      DNA      linear      P
      RI 12-FEB-2001
      DEFINITION Homo sapiens huntingtin (HD) gene.
      ACCESSION  AH003045 REGION: 316..14309
      VERSION    AH003045.1 GI:663286

```

```

<300>
<308> L27350
<309> 2001-02-12
<313> (1)..(614)

```

```

<400> 9
atggcgaccc tggaaaagct gatgaaggcc ttcgagctcc tcaagtcctt ccagcagcag 60
cagcagcagc agcagcagca gcagcagcag cagcagcagc agcagcagca gcagcaacag 120
ccgccaccgc cgccgccgcc gccgccgcct cctcagcttc ctcagccgcc gccgcaggca 180
cagccgctgc tgccctagcc gcagccgccc ccgccgccgc ccccgccgcc acccggcccg 240
gctgtggctg aggagccgct gcaccgaccg tgagtttggg cccgctgcag ctccctgtct 300
attaatttcc ttcttttttt tatttttaga aagaaagaac tttcagctac caagaaagac 360
cgtgtgaatc attgtctgac aatatgtgaa aacatagtgg cacagtctgt caggtaattg 420
cactttgaac tgtctagaga aaacttgaca gtttctcttc tttttttgct tagaaattct 480
ccagaatttc agaaacttct gggcatcgct atggaacttt ttctgctgtg cagtgatgac 540
gcagagtcag atgtcaggat ggtggctgac gaatgcctca acaaagttat caaagtaaga 600
accgtgtgga tgatgttctc ctcaattcca taaatctctt gtgatttggt gtaggctttg 660
atggattcta atcttccaag gttacagctc gagctctata aggaaattaa aaagggtggc 720
cttgcttttc ttttttaaaa atgtcttaat gcaaccctca ttgcaccccc tcagaatggt 780

```

p11089.ST25.txt

gccccctcgga	gtttgctg	tgccctgtgg	aggtttgctg	agctggctca	cctgggttcgg	840
cctcagaaat	gcaggttaagt	tgtacactct	ggatgttggt	ttttagaatg	acttgcgttc	900
ttttgcatac	acaggcctta	cctgggtgaac	cttctgccgt	gcctgactcg	aacaagcaag	960
agacccgaag	aatcagtcca	ggagaccttg	gctgcagctg	ttcccaaat	tatggcttct	1020
tttggaatt	ttgcaaatga	caatgaaatt	aaggtatgat	tgttgcctca	ggtcacaaac	1080
atgttttatc	tacttggact	tttgcttccg	taggttttgt	taaaggcctt	catagcgaac	1140
ctgaagtcaa	gctccccac	cattcggcgg	acagcggctg	gatcagcagt	gagcatctgc	1200
cagcactcaa	gaaggacaca	atatttctat	agttggctac	taaatgtgct	cttaggtaag	1260
gtggaggcat	atgagtggaa	gagtctgtta	agatgtcttg	cttccacccc	cacaggctta	1320
ctcgttcctg	tcgaggatga	acactccact	ctgctgattc	ttggcgtgct	gctcacctg	1380
aggatatttg	tgcccttgct	gcagcagcag	gtcaaggaca	caagcctgaa	aggcagcttc	1440
ggagtgacaa	ggaaagaaat	ggaagtctct	ccttctgcag	agcagcttgt	ccaggtagga	1500
gcacagggtt	tactctagga	actgaccaga	acacctgtgt	ttctctgttt	ctaggtttat	1560
gaactgacgt	tacatcatac	acagcaccaa	gaccacaatg	ttgtgaccgg	agccctggag	1620
ctgttgacgc	agctcttcag	aacgcctcca	cccagcttc	tgcaaaccct	gaccgcagtc	1680
gggggcattg	ggcagctcac	cgctgctaag	gaggagtctg	gtggccgaag	ccgtagtggg	1740
agtattgtgg	aacttatagg	caagttatta	gcaaggctta	cacttacaaa	ctttatctgt	1800
cactttctgt	gatttgcagc	tggagggggg	tcctcatgca	gccctgtcct	ttcaagaaaa	1860
caaaaagggtg	attatttcag	aatcagagt	cttgtgttaa	aaggaatgtt	ggtacattat	1920
ttactaggca	aagtgtctt	aggagaagaa	gaagccttgg	aggatgactc	tgaatcgaga	1980
tcggatgtca	gcagctctgc	cttaacaggt	agttctcact	agttagccgc	tggtgtgggt	2040
tgacaaatga	gtgtttctct	gtcttcagcc	tcagtgaagg	atgagatcag	tggagagctg	2100
gctgttctt	caggggtttc	cactccaggg	tcagcaggtc	atgacatcat	cacagaacag	2160
ccacggtcac	agcacacact	gcaggcggac	tcagtggatc	tggccagctg	tgacttgaca	2220
agctctgcca	ctgatgggga	tgaggaggat	atcttgagcc	acagctccag	ccaggtcagc	2280
gccgtcccat	ctgaccctgc	catggacctg	aatgatggga	cccaggcctc	gtcgcccatc	2340
agcgacagct	cccagaccac	caccgaaggg	cctgattcag	ctgttaccct	ttcagacagt	2400
tctgaaattg	taagtgggca	gaggggcctg	acatctttta	attctcacag	cccccttga	2460
accgttttagg	tgtttagacgg	taccgacaac	cagtatttgg	gcctgcagat	tggacagccc	2520
caggatgaag	atgaggaagc	cacaggtatt	cttctgatg	aagcctcgga	ggccttcagg	2580
aactcttcca	tgggtatgtg	gactacaggt	gatgcgctac	aaacacttaa	tcttgatttc	2640
tctgttttta	aagcccttca	acaggcacat	ttattgaaaa	acatgagtca	ctgcaggcag	2700
ccttctgaca	gcagtgttga	taaatttgtg	ttgagagatg	aagctactga	accgggtgat	2760
caagaaaaca	agggtgaggga	cataggcttg	agacgacttg	gtgacaaaca	agtgtcattg	2820

p11089.ST25.txt

tctccttttct	agccttgccg	catcaaaggt	gacattggac	agtccactga	tgatgactct	2880
gcacctcttg	tccattgtgt	ccgcctttta	tctgcttcgt	ttttgctaac	agggggaaaa	2940
aatggtgagt	acaaaagggg	atgtgcacag	ttgactgaag	gtggcttggg	tgattttctg	3000
gcagtgtg	ttccggacag	ggatgtgagg	gtcagcgtga	aggccctggc	cctcagctgt	3060
gtgggagcag	ctgtggccct	ccacccggaa	tctttcttca	gcaaactcta	taaagttcct	3120
cttgacacca	cgaataaccc	tggtatgtta	aaagttcaca	tctgatgtgc	tcgttccatg	3180
gctgagcaat	ttatctccac	agaggaacag	tatgtctcag	acatcttgaa	ctacatcgat	3240
catggagacc	caçaggttcg	aggagccact	gccattctct	gtgggaccct	catctgctcc	3300
atcctcagca	gggtcccgtt	ccacgtggga	gattggatgg	gcaccattag	aaccctcaca	3360
ggtaacggcc	agtttttctg	ctgtgttttt	tatgatgttt	gttgcttggt	cttctgggtta	3420
ggaaatacat	tttctttggc	ggattgcatt	cctttgctgc	ggaaaacact	gaaggatgag	3480
tcttctgtta	cttgcaagtt	agcttgtaca	gctgtgaggg	tgagcataat	cttctgtgga	3540
accatttctt	gtcctcttgc	cttggaacct	gtgttccaga	actgtgtcat	gagtctctgc	3600
agcagcagct	acagtgagtt	aggactgcag	ctgatcatcg	atgtgctgac	tctgaggaac	3660
agttcctatt	ggctgggtgag	gacagagctt	ctggaaaccc	ttgcagagat	tgacttcagg	3720
taagttagtc	acatccatta	gatttcatga	tttcattggt	aaatgtgctc	ttttgttagg	3780
ctggtgagct	ttttggaggc	aaaagcagaa	aacttacaca	gaggggctca	tcattataca	3840
ggggtaagca	gtttattttt	gtgagatgct	gtttgtttat	ttttattatc	cttctctcta	3900
aagcttttaa	aactgcaaga	acgagtgtc	aataatgttg	tcatccattt	gcttggagat	3960
gaagacccca	gggtgcgaca	tgttgccgca	gcactactaa	ttaggtattt	accaatat	4020
tatctctttt	ccttttaagc	aaattaacct	tacttttgtg	ttaggcttgt	cccaaagctg	4080
ttttataaat	gtgaccaagg	acaagctgat	ccagtagtgg	ccgtggcaag	agatcaaagc	4140
agtgtttacc	tgaaacttct	catgcatgag	acgcagcctc	catctcattt	ctccgtcagc	4200
acaataacca	ggatgtctga	cccagtggca	tcttcacatt	gtattttaag	tctctatatt	4260
tttgttatta	gaatatatag	aggctataac	ctactacaa	gcataacaga	cgtcactatg	4320
gaaaataacc	tttcaagagt	tattgcagca	gtttctcatg	aactaatcac	atcaaccacc	4380
agagcactca	cagtaagtct	ctttcttgat	gcctcttact	gaggtgtgat	tttattgttt	4440
ctttcttctg	agtttggatg	ctgtgaagct	ttgtgtcttc	tttccactgc	cttcccagtt	4500
tgcatttgga	gttttaggtg	gcactgtggg	tatgtatttt	cctcagtata	tattaatagt	4560
aatttgactt	tgcaaatgtc	tgcttccaga	ggtgcctcca	ctgagtgcct	cagatgagtc	4620
taggaagagc	tgtaccgttg	ggatggccac	aatgattctg	accctgctct	cgtcagcttg	4680
gttcccattg	gatctctcag	cccatacaaga	tgctttgatt	ttggccggaa	acttgcttgc	4740
aggtagtggt	actgagttga	aacagggact	ccggagaggt	nntgtctgtg	cccatatcac	4800

p11089.ST25.txt

agccagtgct	cccaaattctc	tgagaagttc	atgggacctct	gaagaagaag	ccaacccagc	4860
agccaccaag	caagaggagg	tctggccagc	cctgggggac	cgggcccttg	tgcccatggt	4920
ggagcagctc	ttctctcacc	tgctgaaggt	gattaacatt	tgtgcccacg	tcctggatga	4980
cgtggctcct	ggacccgcaa	taaaggtaat	gtcccacttg	ggtgctggat	tcatattggt	5040
ttttgttttt	gtttttctat	tttaggcagc	cttgaccttct	ctaacaacc	ccccttctct	5100
aagtcccatc	cgacgaaagg	ggaaggagaa	agaaccagga	gaacaagcat	ctgtaccgtt	5160
gagtcccaag	aaaggcagtg	aggccagtg	aggtaggaaa	cagcgtgggg	aaggggagga	5220
caagtttatc	ttttgtgtgc	atatttttaa	agcttctaga	caatctgata	cctcagggtc	5280
tgttacaaca	agtaaattct	catcactggg	gagtttctat	catcttcctt	catacctcaa	5340
actgcatgat	gtcctgaaag	ctacacacgc	taactacaag	gtatgggcct	ctgcatcttt	5400
taaaaatata	accgtgtgtt	ctctccttca	ccttcccaag	gtcacgctgg	atcttcagaa	5460
cagcacggaa	aagtttgagg	ggtttctccg	ctcagccttg	gatgttcttt	ctcagatact	5520
agagctggcc	acactgcagg	acattgggaa	ggtttgtgtc	ttgttttttc	tccttgggtt	5580
gtcgcttaat	gtctgacttg	tctttctaca	gtgtgttgaa	gagatcctag	gatacctgaa	5640
atcctgcttt	agtcgagaac	caatgatggc	aactgtttgt	gttcaacaag	taagagcttc	5700
attcttttcc	tcttctgtta	ttgttgatgc	ctcatttttt	tactgtagt	tgttgaagac	5760
tctctttggc	acaaacttgg	cctcccagtt	tgatggctta	tcttccaacc	ccagcaagtc	5820
acaaggccga	gcacagcgcc	ttggctcctc	cagtgtgagg	ccaggcttgt	accactactg	5880
cttcatggcc	ccgtacaccc	acttcacca	ggccctcgct	gacgccagcc	tgaggaaacat	5940
ggtgcaggcg	gagcaggaga	acgacacctc	ggggaacag	ttgtggcaag	aatgctgtcg	6000
ttgctctgct	tcccttttat	tcccatttgg	cagatggttt	gatgtcctcc	agaaagtgtc	6060
taccagttg	aagacaaacc	tcacgagtgt	cacaaagaac	cgtgcagata	aggtaaattg	6120
tgttgtttgt	ggatgtgaac	tcattctttc	tttctttttt	tcttttttat	agaatgctat	6180
tcataatcac	attcgtttgt	ttgaacctct	tgttataaaa	gctttaaaac	agtacacgac	6240
tacaacatgt	gtgcagttac	agaagcaggt	tttagatttg	ctggcgagc	tggttcagtt	6300
acgggttaat	tactgtcttc	tggattcaga	tcaggtttgt	cacttttatc	tttcatccat	6360
catattgatg	taaattttat	tttccttcct	gtaggtgttt	attggctttg	tattgaaaca	6420
gtttgaatac	attgaagtgg	gccagttcag	gtaatagcat	tttattattt	tagatttttt	6480
aaggatctaa	atggatgttt	ttgtttctag	ggaatcagag	gcaatcattc	caaacatctt	6540
tttcttcttg	gtattactat	cttatgaacg	ctatcattca	aaacagatca	ttggaattcc	6600
taaaatcatt	cagctctgtg	atggcatcat	ggccagtggg	aggaaggctg	tgacacatgg	6660
taacnggaca	cacctttcac	tgctgtcttc	ctgataaggg	tacccttttg	tccccacagc	6720
cataccggct	ctgcagccca	tagtccacga	cctctttgta	ttaagaggaa	caaataaagc	6780
tgatgcagga	aaagagcttg	aaacccaaaa	agaggtgggtg	gtgtcaatgt	tactgagact	6840

p11089.ST25.txt

catccagtac	catcaggtaa	gaggaatgta	tgttggaact	gtcgtgcaga	ctttctaatt	6900
gtgcacgctc	ttataggtgt	tggagatggt	cattcttgtc	ctgcagcagt	gccacaagga	6960
gaatgaagac	aagtggaagc	gactgtctcg	acagatagct	gacatcatcc	tccaatggt	7020
agccaaacag	caggtttgtc	cccgcagcct	tggcttggtg	ttgtagaaat	gtttgtggtg	7080
tctaattcca	cagatgcaca	ttgactctca	tgaagccctt	ggagtgttaa	atacattatt	7140
tgagattttg	gcccccttct	ccctccgtcc	ggtagacatg	cttttacgga	gtatgttcgt	7200
cactccaaac	acaatggtga	gtctctcgcc	tggctcagca	gatgaagctg	tgacttatgt	7260
attatgttta	ttttaggcgt	ccgtgagcac	tgttcaactg	tggatatcgg	gaattctggc	7320
cattttgagg	gttctgattt	cccagtcaac	tgaagatatt	gttctttctc	gtattcagga	7380
gctctccttc	tctccgtatt	taatctctcg	tacagtaatt	aatagggtta	gagatgggga	7440
cagtacttca	acgctagaag	aacacagtga	agggaaacaa	ataaagaatt	tgccagaaga	7500
aacattttca	aggtatgctt	tctatctgag	cctataacta	acttcactgt	catctttttt	7560
ctttcttgga	aggtttctat	tacaactggt	tggatttctt	ttagaagaca	ttgttacaaa	7620
acagctgaag	gtggaaatga	gtgagcagca	acatactttc	tattgccagg	aactaggcac	7680
actgctaata	tgtctgatcc	acatcttcaa	gtctggtagg	tgaatcacat	tagtcttcct	7740
ggagtaaaga	catttctcct	taactttggt	tctaggaatg	ttccggagaa	tcacagcagc	7800
tgccactagg	ctgttccgca	gtgatggctg	tggcggcagt	ttctacaccc	tggacagctt	7860
gaacttgagg	gctcgttcca	tgatcaccac	ccacccggcc	ctggtgctgc	tctggtgtca	7920
gatactgctg	cttgtcaacc	acaccgacta	ccgctgggtg	gcagaagtgc	agcagacccc	7980
gaagtagggt	cataatgccc	cacagcccag	ggccattgtc	aatgcatctg	ttgctccttc	8040
tagaagacac	agtctgtcca	gcacaaagtt	acttagtccc	cagatgtctg	gagaagagga	8100
ggattctgac	ttggcagcca	aacttggaat	gtgcaataga	gaaatagtag	gaagaggggc	8160
tctcattctc	ttctgtgatt	atgtcgtgag	tttgaaatgc	ctgtaaacgg	ggttgaaatg	8220
aatctctcat	catatttttc	cttagtgtca	gaacctccat	gactccgagc	acttaacgtg	8280
gctcattgta	aatcacattc	aagatctgat	cagcctttcc	cacgagcctc	cagtacagga	8340
cttcatcagt	gccgttcatt	ggaactctgc	tgccagcggc	ctgttcattc	aggcaattca	8400
gtctcgttgt	gaaaaccttt	caactgtacg	tcttcattct	gccgactatt	gccagatctt	8460
ttcttctttt	ccttcttgct	gtagccaac	catgctgaag	aaaactcttc	agtgcttgga	8520
ggggatccat	ctcagccagt	cgggagctgt	gctcacgctg	tatgtggaca	ggcttctgtg	8580
cacccctttc	cgtgtgctgg	ctcgcatggt	cgacatcctt	gcttgtcgcc	gggtagaaat	8640
gcttctggct	gcaaattttac	aggtattggg	aagagaaacc	ctgatattga	ttcaaacaca	8700
ctaattgtgt	tttgtctatt	agagcagcat	ggcccagttg	ccaatggaag	aactcaacag	8760
aatccaggaa	taccttcaga	gcagcgggct	cgctcagagg	taatgctgga	aacacagggtc	8820

p11089.ST25.txt

gtccttgtga	ctgtaatttc	atTTTTattt	gtatttttaga	caccaaaggc	tctattccct	8880
gctggacagg	tttcgtctct	ccaccatgca	agactcactt	agtccctctc	ctccagtctc	8940
ttcccacccg	ctggacgggg	atgggcacgt	gtcactggaa	acagtgagtc	cggacaaagt	9000
aagtgtccag	cgtgtctgca	tgggaggctg	ttccccttat	ccattttttt	cttcccagga	9060
ctggtacggt	catcttgtca	aatcccagtg	ttggaccagg	tcagattctg	cactgctgga	9120
aggTgcagag	ctggtgaatc	ggattcctgc	tgaagatatg	aatgccttca	tgatgaactc	9180
ggtacggggg	gagcagtgga	ggcaaggaat	cgtttggttaa	cctttaatgc	tctgatttca	9240
ggagttcaac	ctaagcctgc	tagctccatg	cttaagccta	gggatgagtg	aaatttctgg	9300
tggccagaag	agtgcccttt	ttgaagcagc	ccgtgagggtg	actctggccc	gtgtgagcgg	9360
caccgtgcag	cagctccctg	ctgtccatca	tgtcttccag	cccgaagctgc	ctgcagagcc	9420
ggcggcctac	tggagcaagt	tgaatgatct	gtttggtaat	taaaattaaa	atttatctta	9480
tttttagcacc	caccacagag	gtccttctgt	ttcaggggat	gctgcactgt	atcagtcctt	9540
gcccactctg	gcccggggcc	tggcacagta	cctggtggtg	gtctccaaac	tgcccagtc	9600
tttgcacctt	cctcctgaga	aagagaagga	cattgtgaaa	ttcgtggtgg	caacccttga	9660
ggtaagaggc	agctcgggag	ctcagtgttg	cggcattctg	tgactcggta	cttcccttta	9720
ggccctgtcc	tggcatttga	tccatgagca	gatcccgtg	agtctggatc	tccaggcagg	9780
gctggactgc	tgctgcctgg	ccctgcagct	gcctggcctc	tggagcgtgg	tctcctccac	9840
agagtttgtg	accacgcctt	gctccctcat	ctactgtgtg	cacttcatcc	tggaggccgg	9900
tgagtccccg	tccatgaacg	gtgggttcca	ttcttctctt	tgttctgttg	taattttagt	9960
tgacgtgcag	cctggagagc	agcttcttag	tccagaaaga	aggacaaata	ccccaaaagc	10020
catcagcgag	gaggaggagg	aagtagatcc	aaacacacag	agtaagtctc	aggaccatt	10080
tttttcttac	aaaagtcctc	tcttaaccgt	tgcttgttta	gacctaagt	atatcactgc	10140
agcctgtgag	atggtggcag	aaatggtgga	gtctctgcag	tcggtgttgg	ccttgggtca	10200
taaaaggaat	agcggcgtgc	cggcgtttct	cacgccattg	ctcaggaaca	tcatcatcag	10260
cctggcccg	ctgccccttg	tcaacagcta	cacacgtgtg	ccccactgg	tgagtctgct	10320
cgttccttgc	agaagaccag	atgatgtcac	ttccttttca	tcttctcagg	tgtggaagct	10380
tggatggtca	cccaaaccgg	gaggggattt	tggcacagca	ttccctgaga	tccccgtgga	10440
gttcctccag	gaaaaggaag	tctttaagga	gttcatctac	cgcataaca	cactaggtag	10500
tcttggggcc	tctccttcag	gtcaccact	ctctcatgta	agatttatat	ttgtaggctg	10560
gaccagtcgt	actcagtttg	aagaaacttg	ggccaccctc	cttgggtgtcc	tggtgacgca	10620
gcccctcgtg	atggagcagg	aggagagccc	accagaagta	aggccacacc	ctgtgctggt	10680
tggcacagct	cttggtacat	gtgggtcttc	cttcaggaa	gacacagaga	ggaccagat	10740
caacgtcctg	gccgtgcagg	ccatcacctc	actggtgctc	agtgcaatga	ctgtgcctgt	10800
ggccggcaac	ccagctgtaa	gctgcttgga	gcagcagccc	cggacaagc	ctctgaaagc	10860

p11089.ST25.txt

tctcgacacc	aggtttgctt	gagttccac	gtgtctctgg	gaaacactct	ttaccttttt	10920
tctaaaatgt	aggtttggga	ggaagctgag	cattatcaga	gggattgtgg	agcaagagat	10980
tcaagcaatg	gtttcaaaga	gagagaatat	tgccacccat	catttatatc	aggcatggga	11040
tcctgtccct	tctctgtctc	cggctactac	aggtacctga	gggaaaggga	gcggggggagc	11100
gggatcaaga	ctcagggtgc	tggtgttcac	aggtgccctc	atcagccacg	agaagctgct	11160
gctacagatc	aaccccagagc	gggagctggg	gagcatgagc	tacaaactcg	gccagggtcag	11220
tctcgcgnc	ccgccgcctg	gcctcacact	gagcagtgcc	ccgtttctgt	ggcagggtgc	11280
catacactcc	gtgtggctgg	ggaacagcat	cacacccctg	agggaggagg	aatgggacga	11340
ggaagaggag	gaggaggccg	acgcccctgc	accttcgtca	ccaccacagt	ctccagtcaa	11400
ctccaggttt	gcagatggcc	tttttatatt	taacagtggg	aaatacccat	ctcgcatatt	11460
ccacaggaaa	caccgggctg	gagttgacat	ccactcctgt	tcgcagtttt	tgcttgagtt	11520
gtacagccgc	tggatcctgc	cgtccagctc	agccaggagg	accccgcca	tcctgatcag	11580
tgaggtggtc	agatccgtaa	gtgagccttc	ccattcccct	cacacccctt	gccctcctgg	11640
ttttccacat	ctccagcttc	tagtggtctc	agacttgttc	accgagcgca	accagtttga	11700
gctgatgtat	gtgacgtga	cagaactgcg	aagggtgcac	ccttcagaag	acgagatcct	11760
cgctcagtac	ctggtgcctg	ccacctgcaa	ggcagctgcc	gtccttgggg	tggttaagtga	11820
caggtggcac	agaggtttct	gtatgcagca	gcttttgtct	gtgtgtgcct	aggacaaggc	11880
cgtggcggag	cctgtcagcc	gcctgctgga	gagcacgctc	aggagcagcc	acctgcccag	11940
cagggttgga	gccctgcacg	gcgtcctcta	tgtgctggag	tgcgacctgc	tggacgacac	12000
tgccaagcag	ctcatccccg	tcatcagcga	ctatctcctc	tccaacctga	aagggatcgc	12060
ccagtgagtg	ggagcctggc	tggggctggg	gcgctgagcc	tggatgctgt	ctcccgtttt	12120
gagctgcgtg	aacattcaca	gccagcagca	cgtactgggtc	atgtgtgcca	ctgcgtttta	12180
cctcattgag	aactatcctc	tggacgtagg	gccggaattt	tcagcatcaa	taatacaggt	12240
gagtgggccc	tggctgtctt	cctctgcatt	tgacacagag	gcctttgtcc	ctgtgcagat	12300
gtgtgggggtg	atgctgtctg	gaagtgagga	gtccaccccc	tccatcattt	accactgtgc	12360
cctcagaggc	ctggagcgcc	tcctgctctc	tgagcagctc	tcccgcctgg	atgcagaatc	12420
gctggtcaag	ctgagtgtgg	acagagtga	cgtgcacagc	ccgcaccggg	ccatggcggc	12480
tctgggcctg	atgctcacct	gcatgtacac	aggtgagcat	gtacacgggtg	cccataaggc	12540
cataaccttc	gtactgaaca	cttttgttac	aggaaaggag	aaagtcagtc	cgggtagaac	12600
ttcagaccct	aatcctgcag	ccccgacag	cgagtcagtg	attgttgcta	tggagcgggt	12660
atctgttctt	tttgataggt	aagaagcgaa	ncccatccct	cagcccgttc	agtctctgac	12720
ctgcgtccct	cctcccagga	tcaggaaagg	ctttccttgt	gaagccagag	tggtggccag	12780
gatcctgccc	cagtttctag	acgacttctt	cccaccccag	gacatcatga	acaaagtcac	12840

p11089.ST25.txt

```

cggagagttt ctgtccaacc agcagccata ccccccagttc atggccaccg tgggtgtataa 12900
ggtgagggttg catgtgggat ggggatggag ttgacactca ggcgcctgct tgctcttgca 12960
ggtgttttcag actctgcaca gcaccgggca gtcgtccatg gtccgggact gggtcatgct 13020
gtccctctcc aacttcacgc agagggcccc ggtcgccatg gccacgtgga gcctctcctg 13080
cttctttgtc agcgcgtcca ccagcccgtg ggtcgcggcg atgtatcctc tctggntccc 13140
tggtncctggc ccgccggcct ttttccttaa ctctgcacc agcctccac atgtcatcag 13200
caggatgggc aagctggagc aggtggacgt gaaccttttc tgcttggtcg ccacagactt 13260
ctacagacac cagatagagg aggagctcga ccgcagggcc ttccagtctg tgcttgaggt 13320
ggttgacagcc ccaggaagcc catatcaccg gctgctgact tgtttacgaa atgtccacaa 13380
ggtcaccacc tgctgagcgc catgggtggga gagactgtga ggcggcagct ggggccggag 13440
cctttggaag tctgtgccct tgtgccctgc ctccaccgag ccagcttggc ccctatgggc 13500
ttccgcacat gccgcgggcg gccaggcaac gtgcgtgtct ctgccatgtg gcagaagtgc 13560
tctttgtggc agtggccagg cagggagtgt ctgcagtcct ggtggggctg agcctgaggc 13620
cttcagaaa gcaggagcag ctgtgctgca ccccatgtgg gtgaccaggc cttttctcct 13680
gatagtcacc tgctggttgt tgccagggtg cagctgctct tgcatctggg ccagaagtcc 13740
tccctctgc aggtctggctg ttggccctc tgctgtcctg cagtagaagg tgccgtgagc 13800
aggctttggg aactctggcc tgggtctccc tgggtggggtg tgcatgccac gccccgtgtc 13860
tggtatgcaca gatgccatgg cctgtgctgg gccagtggct ggggggtgcta gacaccggc 13920
accattctcc ctctctctt ttcttctcag gatttaaaat ttaattatat cagtaaagag 13980
attaatttta acgt 13994

```

```

<210> 10
<211> 118777
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)..(118777)
<223> LOCUS AF163865 118777 bp DNA linear R
OD 24-JAN-2001
DEFINITION Mus musculus alpha-synuclein (Snca) gene, complete cd
s.
ACCESSION AF163865

```

```

<300>
<308> AF163865
<309> 2001-01-24
<313> (1)..(118777)

```

```

<400> 10
gaacctcaga cagctgacag aaagtcctcc aattctgagc tacaggagtg aatctgctac 60
tgaaaacaca ggcagagcag acacgctgct gtagacacag aggaagatga cagggacagg 120
aagatgtaga cactgatagc aattagctaa ggagattcat ttcttttttc cctaaccagg 180

```


p11089.ST25.txt

caaggaccct	gactagaaga	cattttgttg	ttgaaacatg	ttgttgaaga	tacagttttg	240
gggatgtatg	tgagaaaatg	aagagtaaac	ctgaatttaa	caagccatgg	ctttgggtct	300
ggtaccatga	cgaagcataa	gttacagaat	actttctcgt	tgccgttttt	tggtttgtaa	360
attcagtcct	tcaaatatcc	atacatactg	ggctcttgag	aacccatgaa	gaaaggatgg	420
aatacttggg	gtttatgcaa	acttatttaa	tacctactgc	aaagttcaag	tcaaggctta	480
atgccttgac	tactttcaca	atcagccact	acttattgga	ttgggtgggtg	aaaacatggc	540
tgagacatct	tgtagtcata	atTTTTTTTT	aaagaaaagt	acctgatcct	tcttagaagg	600
gggaacaaaa	tacccatgtg	gggagataca	gagacaaagt	ggaacagaga	tgaaaggaaa	660
gaccatctag	agactaccct	acctggggat	tcctcctata	tagagacaac	aaatccagac	720
actatagtgg	ataccaacaa	gtacttgctg	acaggagcct	gttgcagttg	tctcctgaga	780
ggctttgcca	gtgtctgaca	aatacagagg	tggatgcttt	cagccaacca	ttggactgag	840
cacagaggcc	ctaattggagg	ggctagagaa	aggacccaag	aagacgatga	ggtttgcaat	900
cccataagag	gagcaacaat	atgaaccaac	cagtaacccc	agagttccta	gggactaaac	960
caccaaccaa	agagtataca	cggagggact	catggctcca	gttgcataatg	tagcagagga	1020
tggccttggt	aatcatcaat	ggaaggagag	gcctttgggtc	ctgtgaatgc	ttgatggccc	1080
cagtgtagtg	ggatgccagg	accaggaagc	aggagtgagt	gggttgggtga	gctgtggggg	1140
atcaggaaaa	gggataacat	ttgaaatgta	aataaagaaa	atatctatta	aaagaaatta	1200
cccttcatgc	tgtcaaacac	cttttagttc	ctgtaatcag	gcttcctggg	tcttctttct	1260
tccccTTTTg	acacagactc	tatgtccaca	aggctagcct	gactgttgca	gtaattctct	1320
gaccaaatct	ctcaagtgct	gaaatcatag	gcactaacta	ctaggcctgg	ctctaacact	1380
ggatTTTTaa	gatcctataa	atcctggaca	ctttaaactt	ctattttact	cagaattttg	1440
ttggagaacg	tactgtgtgg	gacacaaatc	actgctatag	tgtttccaga	aatttgaaga	1500
atactgagtc	ctgttatgtg	gtgactgaat	ggagctgtga	cctcctacaa	agtagagctc	1560
aaggttctac	attctctgtg	gggtctccag	taattccatc	attgcaatgg	actcctgcca	1620
ggaccatagt	ttcagaatgg	agtgtagaaa	ataaatagta	caacatctgg	gtaagaaatt	1680
tggagaaaca	tgatggagcg	cttcaaagct	gtctacacac	acacacacac	acacacacac	1740
acacacacac	acacacgtga	tcatgatgca	ttgagagtaa	gaataacaac	attgctaaag	1800
agagtttgtg	ggtacagaag	agaaagagaa	aaatgcttaa	attaaacatg	caaataaaac	1860
ttcatttaag	aagtttgtag	aatgaatctc	caagctctaa	agacaaatat	tatccaaaac	1920
tactatgctg	gaatgccagt	caacacaggg	gccactgggc	aagttttctc	taatttaaac	1980
aaaacaaaaa	accaaaccac	accaactaat	taaccaaacc	aaaatcccaa	ccaaccaact	2040
aaccaaacaa	gcaaacaaaa	atcctggaac	aacatgagag	cccaaggact	gtgaatagaa	2100
tctcaatatt	caaggtgtat	ttgggaagct	ccagcaagtg	agctaagacc	acaaggcaga	2160

p11089.ST25.txt

ccagggaggg	ataaagagac	agtctctcta	gatcaatctc	taaacagtca	tagatacaaa	2220
ctacacaggg	gcttactagg	ccacagttta	aatttcacac	aaaaaaca	attcattgaa	2280
aagctgatcc	cttagagtat	gtaaaaattc	cttgtttctg	ctctagttgg	cagtgtcatg	2340
agccttatca	actggatggg	gcagggactc	catgttacac	aatgtttttc	ttcttctatt	2400
tgtttctaaa	atcagtggg	agatcaggca	catttttaaa	aacatgacca	tactcttggt	2460
cattaccttc	tcaagtaaaa	aaaaaaaaaa	acctatgatt	tggcgggttc	tgattatgga	2520
gggctgaaat	agtaatatca	gtcatgaaca	gctgagagca	ctggtttctg	agcctctgat	2580
tgaagcttta	gaatcctgtg	tttggatgta	taatattaaa	gaaacaatag	tcataagcct	2640
cagcctgtac	tcaagatagt	tttaaatgtg	tggttatttg	ctggtatgta	tgtccgtgca	2700
gcatttctgt	gcctgatacc	tgtggagggtc	agaaaagtgt	gttggatttc	ctgggattgg	2760
agttacagac	aattttgagc	tgccatgttg	gtactgggac	tcaaattcca	gtcctctgca	2820
agagcagcct	gtgcccttat	ctgctgagcc	acctctctag	ccccattata	acaagaattt	2880
ataaagctga	tgacctattc	catgtatccc	ctagttcatt	gcattgtgag	agtgaataat	2940
ggatatttgta	gatagggtga	aattataaat	gtatttccta	ttggttcatc	atgagccaga	3000
catacagctt	ttccaagatt	taggttcctt	ggataaagcc	ctcagtcata	ttatcagcta	3060
tcaatgtaat	gttatgttgt	aaatataaat	attagcccta	gtacactaag	gtagccacga	3120
gaagacttgc	tgtgtcttaa	acaagagaaa	tttgttttct	cacagttctg	gaggttagaa	3180
gtctaataatc	agatgtcagc	agggttgatt	tattctagt	ctgctgtcct	tggctcacag	3240
gccactgcct	tcacagtgc	gcctctatgt	ctacttctaa	tgtattctag	cctactcttc	3300
ttgtaaatac	atcaatcatg	gtagatttgg	gcactcttca	atgacacatt	ttaaccttta	3360
tgctctcata	ctgagggtaa	gaacttcaac	acacagttgt	aaaaatttat	ttgtaagtca	3420
tttacttaaa	aagtttttaa	taacaaaatt	tttcgtgtga	atataacgca	ttcagattac	3480
tctcatcttc	cactgtcttt	tatttaccct	ttactcttat	caaattctac	tgtcatcccc	3540
ccccaaaaaa	aactcttttc	cacatttatg	tctttttgtt	ttgtgaccca	ttgagtttaa	3600
atatgtccat	ttatgtgaca	atgaatatgt	gaccattgga	tcctgggtgag	cttactagt	3660
ggtagacagc	taaagacaat	gactttatgt	ctttcaccat	ctatcaatag	caaacaatta	3720
atcatggaga	ggtaggggca	catacacctt	tctactgggtg	gtacataatt	aacaggcaca	3780
gtcttgaata	gatccagtgc	caagaacttc	agctgctgta	agctcatgat	taaaatggct	3840
gtattatggc	ctgaagatta	tgttttgtac	tctttctcca	taacatttag	catattatat	3900
tcttccccctc	ttcagctttc	attccataaa	ctttagatgt	actggttcaa	atgtcctggt	3960
tagggatgaa	atatggagac	aaagtgtgga	gcagaaactg	taggaaaggc	catccagaga	4020
ctatctcacc	tgaggatcca	tcttgatat	agacaccaaa	cccagatact	attgctgatg	4080
cccagaagt	cttgctgaaa	ggcgcctgat	atagctgtct	actgagaggc	tctgacagag	4140
cctgacaaat	acaaatgtag	acgctcacag	acaaccgttg	ggctgagcac	gtaggtccct	4200

p11089.ST25.txt

gataaaggag	ttagagaaag	tagggtagc	aaccccatag	gaagaacaac	aatatcaacc	4260
aaccagaccc	cccagagctt	ccagggacta	agccacctac	caaggagtac	acatagaggg	4320
acacatagct	caggctgcat	atatatgttt	ttcaggcatc	aatgggagga	gaggccctcg	4380
gtcctatgaa	ggctggctgg	atgccccggt	gtaggggaat	tggagggcag	ggaagcagaa	4440
gggtgtggat	gggttgggga	gctccctcat	agaagcagag	gagggggatg	ggataggggg	4500
tttcaggtgg	ggatcaggaa	agcagataac	atttgaaatg	taaataaaga	acatatccccc	4560
ccccaaaaga	caaatatcac	atcacacaca	cacacatgtg	cacacacaca	cacacacaca	4620
cacacacaca	cactcagaga	gattgagaga	gagagagaga	gagagggaga	gagagagaga	4680
gagagagagg	tgcagagagt	ggaagaggca	gtttaaccag	gacagttgaa	cagagacagg	4740
ttgcacaaag	agaacaagct	agacacagaa	gacagaataa	accaagggat	gagaaagagg	4800
cagagtagaa	catattgccca	aagttagtat	caggtcaagc	agagcaattt	agaagaggcc	4860
gagagagaga	agccagaatg	aatcaatcag	tgtggagagg	attttgagcc	ataacagctg	4920
agttgaacca	tgtagagtta	aaaaagaaca	agagaggggtg	agcttattca	tcattaagtc	4980
ttagaggctg	aaaatattct	agacctagat	aatactgtat	ggagggtaga	agcttccagg	5040
actaggccta	tgttagcaga	gagaggcagt	aagcctctga	tatgacaatt	acattaggtg	5100
aaaaatagtt	acaattacat	ttaggtagca	tgttttcatt	attcatcagc	tgacagacat	5160
ttagaccgtt	tctatttcat	ggctattatg	aatagagaag	aaattaacat	ggatgagcaa	5220
gcctctctga	agtggaatat	agagttcttt	gggaatatgc	ccaggagtta	tacagcgtga	5280
tgatatggaa	gacctacttc	ttctcttttg	tagaaactct	acattgattt	tcatagttaa	5340
tgcttccctt	tttctccaac	catcattaaa	ttaatgtttg	cctttcccaa	gtctgtacta	5400
gaatttggtta	tttgtccatt	tgtcttagac	atcctgagtg	gggtaagact	ggggcctcca	5460
gtctcttgag	ggtaggtgc	atcatctctg	tatgaacaca	gccttggcag	tcctctactg	5520
taagtgtttt	gggggcctca	tatcagctga	tatatgtctt	cggtttggtg	gtccagtttt	5580
tgagagatct	tgggggtcca	gattaattga	gactgctggt	cctcctacag	aatcaccccc	5640
tttctcagct	tctttcagtc	ttccctaact	cggaaacagg	ggtcagctgt	ttctgtccat	5700
tggttggttg	caagtatctg	catctgacac	tttcagctgc	ttgttgggtc	ttctggtctg	5760
tggtcatgat	aggttgggtcc	ctttgtgtga	gcgctccata	gtctcagtaa	tagtgtcaag	5820
ccttgggacc	tccctttgag	ctggaatcca	ttttggacct	gtcaagggat	cttcttcagg	5880
ctcctctcta	tcttttctca	aatgtatagc	taataaatat	tttgaaaatt	tccctcagtt	5940
ttcagaatgt	ctcttcacac	aaaggatggt	gttcttttaa	gcttcacagc	cctatttgtg	6000
agttattctt	aatatctgtt	caactgtgtc	ctgttcacac	acctataagt	tgaggatatat	6060
tttctttctc	ctctgaggaa	tcatgttatc	agatttgtgt	tgaggtgctt	ggagttggat	6120
tttgtacaag	gtgaagtaga	agaatctagt	ttcacttttc	tacacattgc	tattcagttt	6180

p11089.ST25.txt

gaggaacata	attgaactat	tctgaactga	gattctctaa	actgaacaga	actgaattga	6240
actgaattga	aatctctatc	cttccctgat	gtttaagtag	cctctttttc	ctgtctgttc	6300
ttgtgagagt	taggcatatc	ttatttgtgt	ctcattctgt	aaaatctttg	tctgtacctc	6360
aattagatat	cactgttttg	gattaaaggt	atgtacaaaa	gatatgtcta	aatcccagcc	6420
agggaaatta	aatgtatgtc	tactctgcat	tccagtagaa	ttatatcttt	gtatgtgatt	6480
ccttgcccaa	gcacccatgt	tgcttgatta	aaacctctac	aacattttatt	ccaagatatt	6540
ttattttttc	tgtggttatt	gtcaccactt	aatttgatga	cataattatt	aaaataatta	6600
ctctccccct	gaggaagact	gagctacacc	atctctatgc	tagctcaaga	catacttcct	6660
actggcatga	ggatttcta	tgactcccta	tcttctgaat	tcagagtga	ttatatatga	6720
cacacgatat	tcattaacac	aattaaagga	taagtatgaa	tatttggtag	tttttaatgt	6780
ggccaacagc	atccaacaat	gacaggagag	tttgaaaaaa	tttcatagga	aaattgtcac	6840
tggtttttta	ttaacactta	aaaggtgtaa	catttttttt	atgctattaa	gctctattcc	6900
aaaaagtgtt	aagttcattt	tgtctatttg	ggaaaaagaa	gaggtagaaa	atatcttgag	6960
aagaaggaat	attgtgatca	caaggctaca	gtgaaatggg	ccatgtccac	tagagtagta	7020
gaggaaaagt	aatagaggaa	attatcatgt	attgtaaaaa	tgacacttta	ttatcagcaa	7080
gggtggagcag	tagaatgttt	gtatgctgcc	tagataggaa	tgaaagagca	tgcttctttc	7140
tttgatggga	acaaatgact	ttgtacagaa	acattttcct	ggagataggt	ctctgagatg	7200
tggaaccttc	cctagtga	aggaccatgt	ttcctgctgt	gctgccatga	atatttttag	7260
tcttgctcat	ctttggctaa	gcctcagtgt	ttgtggatac	cagatgcatt	gtgcagggtgt	7320
gatgtggaaa	caggaaatct	gactacttgc	catattctca	aacatatttc	ttatctccct	7380
gaagcaaaag	tagaacataa	aacatttctg	ctatcaccta	ttctaattaa	atgcatatat	7440
aggattat	attaaaaata	gtatttatga	aaaaggctga	aagctctgtg	atttttcagt	7500
taactccttt	atgcacatgg	ctatactgct	gatattctgat	gaatatgtgt	ctgatgctat	7560
ttgtgttcat	cacttttctg	ttgccgtgac	aatataccac	aaccaaagca	tcttatagaa	7620
ggaagagttt	atttggctta	tggtttctta	tgaagatcct	gaaagtaaag	gaagccctga	7680
aaaaccattg	tgtgaggctt	tgaaaatgaa	gcctgggtta	cagtagatcc	caaaggcttt	7740
agagattcca	aagccttaca	cagtggcttc	tcagggttc	ttttcctttc	agtatcttca	7800
ttcaggatga	acttgccaca	tatagcatgg	cctcagaaac	tctctcaaac	aatggagaaa	7860
actccatgag	cccttaactc	ttaaaaaaca	aacttccaca	atattcatgg	aaattatgat	7920
attcttggac	attaatctat	ctctgaagat	gcattcttcca	ttagagtcta	taaaaaggta	7980
aacaagagaa	aacaaggcag	agaaaaaaaa	tagataaagg	taagtggcca	aaggtttgta	8040
aacaacactg	agccaaaaat	tcctggcctg	gaaatgagta	gagtaaccag	atcataagga	8100
tggtcagaat	ctcagatgtt	taagtgaaac	tgtattctcc	tacataacaa	aatcattccg	8160
tgtcagcgcc	aacatggctc	caaagagtca	gatctgggtca	acagccaaat	ccttaagaaa	8220

p11089.ST25.txt

tctagctcca	agttcatttc	caactgacta	gaggtaaagt	ttatgctttc	ttctgagtaa	8280
ttttctctaa	atgatttaaa	gaaaggggtga	agataattta	gaactcaa	taaagggttac	8340
taaacaaaat	tcaaacttca	ttttccagtt	ctttttcagt	ttgtttttta	aaaatataat	8400
tatatcattt	ccacttttct	tttttctttc	tccaaactct	cccatatagc	caatttgctc	8460
gcaaattaat	tgcttcctct	ttataaaact	gttattacaa	ttttgcatat	tatcattttt	8520
aatactttat	agtatctgca	ataacaataa	ttaatataaa	cataatacta	atatataata	8580
tatattttcc	tatacataaa	accaccacct	ccttggaactg	tataatgtta	ctgtgtgtac	8640
atgttttgag	ggttgggtcat	ttgggtattgg	aaagatcttc	cttggggagc	attattttcta	8700
ccattctcat	cactcccttag	gaacctacaa	ttctttgtgt	agggtttgag	gcctcttcag	8760
ccccatttca	cattagcatg	cgtattgggtg	tgttccttgg	ttgggtcatg	tttaggcacc	8820
catgaggatg	agactttggg	tatagtttct	tacatttctg	ggagacacag	ttttacagca	8880
cactctgtgc	tcctctggct	cttatagtgt	ttctgctccc	ttccagaag	ggccttcaag	8940
cctaaaggaa	ggacctgtgt	tgtagttaga	tcagttgggg	tgtggctcta	caactctgaa	9000
ttttaattgg	ttctgggttt	ctgctatagt	ctctgtctgt	tgcaaagtga	agtttcctca	9060
atgaggggagg	aatgagaatt	atacttatct	ataaatataa	tgacatacat	ttcaaagtga	9120
gttagagatt	ataattgttt	gtaggctctc	caatgttcat	gactttgcaa	gtcctgggta	9180
gttggttagg	tttcaatgac	cagacatgtt	ttctcccttg	ctgtgcaggt	cataaattca	9240
atgagagcta	ttgggtgtca	cgaagggtatg	catgccactt	atacacccca	agggttatca	9300
ctccatgctg	gtcacttggtg	tttcacaggc	atatactctg	gtagaacaag	gggttgcttc	9360
tcacctttgc	tagtgtagat	ggcaccttct	ggtactgaaa	gctactcctt	aggaggagg	9420
cttttaggtc	agttccagct	tagggcctct	gtgctccgtg	tttgaagtac	atattgtcat	9480
cagcaataac	aatttacctt	ctacttctga	aggacaacca	aaagaaataa	tatcagtaac	9540
gtataatgta	ttctgtgtct	cttctataat	cctgaccaat	aactcaaaag	aggatttctc	9600
actcatcaac	ccctgtaagt	atcggtgttg	ttttgttttg	atataattgc	aatatttcac	9660
ctctcttttc	ctctcttcaa	gttttccagt	atacctctcc	caggctctct	tcacattgaa	9720
tgttctcttt	ttctttaact	gttattgcat	aatatatgta	tatacatatt	tattcttcag	9780
tataacctac	tcagcctgag	agtgaataat	gctacttgaa	tgtatgtttt	cagggtgtgac	9840
cacttggcac	tggacaagca	atttgtagtc	tcttctctac	agagatcata	tctcctgcac	9900
ccagcttttc	tcagttacct	attgtccttc	atgtagcatt	gagggtctcat	ggacttttcc	9960
ctgtccactt	tgacatttcc	ccttggtgta	accttggtca	gttcagggtt	gagtagtcat	10020
gaatgtgaga	cttcatgggt	atagcttctg	acattattag	cagacataat	ctcatgcaaa	10080
ctttcttgat	cctctgggtc	ttacaatctt	tctgtttcct	cattcataaa	tgtttctatt	10140
gggactgggc	tctaaaactt	tgtattttga	ctggtttag	cttttctgta	gtggtctcta	10200

p11089.ST25.txt

tttgtttcaa agaaaagatc ccttataagg agcaaagtct atacttatct gtgggtataa 10260
 caacaaatgt ttgtagattg tagttaggga ttattctggt ttagtaaatt agtggttgta 10320
 gtttctcctc caacatccat gacttcacta gcactgacta gttcactagg ttttcaggta 10380
 ccaggcatgg tttctctctt gctgaatgac tcatacccac aattagaggg ctggttggtta 10440
 atactcaca gtatgcatgt gactcctgca tgcttttggt tatcatggac cctgatgcca 10500
 ctgaaacaca ctaacatcac ctttttttat ttatctgctt tcaagaaaca gaaaataggg 10560
 tctcttttagg gagcttgaaa ccttggtttg tggagtattg tttgaggaca cccttcctt 10620
 catttcaatg caaagtagac ctgtccttaa tgggtgtaaaa cttttaataa attacagcct 10680
 tccttctggt gctttggcag taacataaac atactgttggt tctttttctc tctaaactat 10740
 acattttgta tttctgcccc agttgctctt tctttcatta tagatctgca taagtgttat 10800
 agtacaacca ttccacagat tcatcattat gttgtcttac aatcacttcc actaaagaaa 10860
 ttcacccctt acttttcaat tgagtctcag gcaagtattc tgctcaggac atgagcagaa 10920
 ggtggccaca aaccatgatg aaaaaatgaa tagcctccaa cacacttgct gttaacgtcc 10980
 ttcattcctt ctgaaacctc ttggtccagg cttctacagt atttatccct ctgagccctg 11040
 ctgtcttcca atcttctacg agaaggacct tttcatctct gctcatagca ttcactgccc 11100
 tttcgctttc aatgtttaca ttcctccaaa ccccaaatg attgggttct tcacagaaat 11160
 agccaacttt tttggtacca acttctgttc tcatctctt tctattgctg tgaaagacac 11220
 cacagccaga aagcaacttt ggaggcgaac ctttatttca gcttgaagggt tatagtttat 11280
 catcaaagga agtcttggca gaaactgagc cagaggccat ggaggagtgc tacttgctgg 11340
 cttacttcca gaatcacatt cagctacctt tctttcttac atgtcccaac ttcattgttc 11400
 acagtagact aaactctttt acatcaatca tgaagcaaga aaaccactac atataccccc 11460
 acaggccaat ctcacaggta tcagttaagg ttctcccctt ctcagacata tctcaattca 11520
 taacacgttg taagcacaac cagcacacta ttcaaacaga tttgcttagt gatgggggaa 11580
 gcaaaaggaa ctgtcttaga ctgatatgct tgcaatgttt tcaaataagct tcatctctgg 11640
 actaaatfff ggggtttttt tttgtttgtt tatttcaaatt gtttatatft ctttaattft 11700
 gtaatgtaaa tatgctgaga aatagtatat agtatttgtt gaagagctft aattcaatct 11760
 ccttgaactt catatccaga tatcaatcac tttttataaa attatattft cttttgccct 11820
 aaatacgtga cctaggaatc agtataaata taataaaatg taagtataaa tgcaagcatt 11880
 tatgtgtcaa tagtctttgg cctcttagtc aattctttct ttctttctft tttgtttgtt 11940
 ttcttcaaga cagggtttct cagtatagcc ctggctgtcc tggaactcac tctgtagacc 12000
 aggctggcct tgaactcaga tatctgcctg cctctgcctc ccaagtgtg ggattaaagg 12060
 catgtgccac caaagcccac tttcttagtt agttcttgtg gctgcttaaa catggtttca 12120
 tcgctagttg gaaataactt acttgccaga gtaagattaa tggagagttt gtataattft 12180
 tcttctttft cgccaattag tatcactctg gaaacatatg cagatctgct tattaactgg 12240

p11089.ST25.txt

gcaaatttca	attgggcaga	catattttat	tatatatatt	ggtttcacct	aagaaaagca	12300	
cagcaatgtg	aatactctct	tttttctttt	gtttgtttgt	ttcctgatat	atattgcata	12360	
agctaagtgg	gtcacccatc	atcacaacac	ttgtttgtat	gcttttaggt	gctatatgct	12420	
ttaaaaaact	ctgggaccag	aatgggttgg	catgtcctaa	tggatgaaac	accttttcac	12480	
ataaagagtg	ggtgacttag	atagatacct	gagcaaaaat	tttacctgga	caattgcttt	12540	
ggcaaaaaaa	ttatggaaaag	tgcaggatca	ttatcaacag	tttataaaat	ggtaaaacat	12600	
gtttcttggga	catatgtcaa	cattctgagg	atgtatatatt	tataatcatc	aaggaaagat	12660	
tgtcttttaa	tataaaattt	tagtcaaatt	taaaaatttg	tttgtgagga	agactgatac	12720	
catattgagt	ttaatttttc	tatcatcatt	gatctaattt	ttttcaacta	acagtaaaaa	12780	
tgaaccattc	tatatgtatt	gtatgaagtc	tgttcatttg	tcacagaaac	tcatgttgat	12840	
ttcccatctg	tcttttagtgt	tatttttaact	acttaataaa	tctctataca	taagaccaca	12900	
gcacaagata	attaaggagc	tagaatgctc	attcacttaa	ttattgcca	acacacttac	12960	
agagctccat	tttaccttg	aaaaatttgt	caaattgttt	tactctctct	ctctctcttt	13020	
atatatatat	atatatataa	aagggtgtgtg	taatagtatg	tgtgtagtat	atgtatgtgt	13080	
gcaaatgtgt	tttaatatgt	atagtctatc	actctctatt	ttcagtatca	ttaaaaattt	13140	
tatgctattt	ctttgcttga	gaagaaactg	cacatttgag	taaaataagt	tggatttttt	13200	
ctttggataa	ttacattgtg	tgaagatgtt	taaataagtg	tttttttcat	atgcacatat	13260	
taaagatcat	ctgtgaaaca	tctatatattg	ttatgaatta	aaaagacaaa	tatttagaaa	13320	
gccatatttc	tatagtctag	gctttgacaa	gtaaagtgag	aatccatagc	tctgttcttt	13380	
ccatcttgag	catgacacac	acacagtctc	tttgtaaatt	actcaggctt	tcttattctg	13440	
atataaatac	aaacacaaaa	taacttgtat	tttgatgaga	aaactgaagt	ggaacttaaa	13500	
tataaatgga	cttgaagatg	ctatatattag	aagctaaagt	attactttgc	ccctaatttc	13560	
attttcta	at	ttgtttaatc	acttgttcca	tatttgatat	ggaataacaa	gctttcacaa	13620
tactgatgat	gcattttata	taatgttgta	ggcaatcggt	tcaatgctac	tccatacttt	13680	
caaattgtct	aaacaggtaa	aaagtattag	aatctctgag	cgctgctgg	acatgctcct	13740	
tttattgact	ttctgttatt	tatttccttg	aaaggcataa	taaccaaatac	aatactgtca	13800	
gaaaaatata	aatcctcttg	gtatgctatt	ttatccactt	atttttccct	ctgaaaataa	13860	
atattactga	aaaatatatc	tgtcttatta	atctgcccag	ttttgctcac	aaaagatatt	13920	
ataagttgga	tttcataact	tttctatctg	gttggaataa	ttttacctcc	tatagtaaga	13980	
taaagctatt	gatggcagtc	acagacatct	caggtatctt	gtgaatgaac	taagaaatga	14040	
ttcaaggctg	caaataagac	ctgaccaa	taaaagaaat	gcttcctagt	tcaccctaaa	14100	
catcagttta	cataaaaatc	tccactcatc	gtactaaaga	gacagtttag	taattaagag	14160	
ctcaaattgc	tcttgagatc	tgagttcagt	tttgagcacc	tacatcagga	ggctcaaaca	14220	

p11089.ST25.txt

tcctgtatct	cctgcttcag	gtgaccttat	acctctaggc	tccttgagca	ctggattcat	14280
atttatacac	actaaagtaa	acattaaaaa	catgcagtca	ttttaagaa	tgcactcagt	14340
tgaattatct	ctaagaacac	tcttatttct	gtcattacac	aatacacata	aaatacctgc	14400
cctattttac	agagattaga	gaggtgaggt	gctagctcta	actcactgct	agttcatagc	14460
agcacacagg	tccatctagc	ctctgagttg	tatgtggaca	ccctgtctca	gatttatgtc	14520
ctgctttctg	gagttgagtg	catttctggg	gttcatcagt	atgatctttt	tcctcatttt	14580
gaaataaata	aatttcttat	attccaaaat	atcaaagtga	ttttctatct	ggttttatag	14640
tctttaagtc	ttgaaatcat	ggacatcttc	attttcatag	gactacagca	atggttgtga	14700
tgtttagaaa	gacatccaac	tgaattattc	acatatgcca	tgctattttc	ctgtggccaa	14760
agttaacacc	tggtcttcat	tggtgttcat	taccctctga	gcgtgtggaa	taatagaata	14820
aactgcacaa	gaggtcaaat	taaagatttt	cttcagacac	tacattccct	cttcattgat	14880
tcttttttct	ttttaaatct	agtgtcccat	tattgttctg	tctcaagttt	aaatctttga	14940
aaatgaaata	tgattatcat	cttaaagcca	tatattggca	gcttctctgc	tgcatatccc	15000
atataagatt	gtaagataca	tatatgcaga	tttcagcagc	acatgtctca	tgtaattaca	15060
gaagatgaag	gagggacagg	cagatactaa	gaagcacata	atactaagca	tattatgtct	15120
gtactcagtt	aagcccatta	aatcaacgct	ttccaccctt	ttaatcactt	tgcgaccatc	15180
agcttccttc	tcaccatgac	atttcactct	gctttctttg	taatagtgtg	ctgttaaact	15240
caggacaaac	ctcaaaactc	acttgtctca	tgggaaatca	aagagagtgc	aggtaagta	15300
tatatttgcc	tagaacatta	atctacagca	taattacgtg	attaagctca	gttaaataca	15360
tgctattagc	atggcaaaaat	attagatttc	actcgtggga	gagcacctgc	acacatcact	15420
cacatgtccc	attaagttgc	tctgccttac	actacaggct	ttgagtttaa	actttaagtt	15480
ttaaagtgat	tttcagaaca	aggctttgat	actaatggag	gtgcgggaca	gaaaggagaa	15540
aacaacagga	atgtccagtt	cctctctttc	ttacagaggg	ctgcagctcc	attataaatg	15600
cagagacaag	aaccacaggt	ttgatcttag	aaaccgtcag	catagtttga	aaagctgctt	15660
actgtgctca	gagtgctttg	aagtgtgtat	agaataaagc	agaaatataa	taataaatca	15720
aaatggtgaa	aattattttta	caattttatt	gtagtctttt	tgtaatctgt	gcatgtgtgt	15780
gcgtgcatgt	gtgtgttcat	gcatatgtgc	aagcatgaat	gtgtgtgtgt	gtgtgtgtgt	15840
gtgcatagaa	agaattttcc	aacaccaaag	aacgctgata	cagatactcc	aaatataact	15900
gatatgtgtc	ttcatgtgta	cctcagctcc	cgattttcca	tgttcatatt	cacatttgag	15960
ggcgattttg	aacacagctg	ggctcctact	tgttactttc	catccctgct	ctgggagact	16020
tcacagactg	gtttacagtg	atagaggatt	gtgccttctg	gaaaagccta	ctggattatc	16080
tcatatctga	ctctgatgtg	atctgagctc	aatgcactct	cagagctcca	gtttccctgt	16140
ctagaaaagt	gacacaaaac	taaacttatc	cccttgatgt	gattaaacgg	ttcagcacct	16200
ctgttctttg	ccagacataa	agcacagtgc	acagatgtgg	agttatggag	ccattgtagg	16260

p11089.ST25.txt

aagcacaact	atcccagtg	gtccttcgtt	gctcggcagt	tgggccttaa	agtatctgac	16320
atatttatttc	tctttttaact	gaaatcccaa	ggcttaagag	gagatccctg	tgaatttata	16380
aatatgtcat	atcgggaaat	atattaggta	gttgtcactg	cagtctatcc	aactaactga	16440
atatttatggg	tcactgtgaa	aatgcattat	tggcagtaat	aaaagaagaa	aagaaactaa	16500
taaactagt	atattatgcaa	cagcataggt	gaactaacac	atcatgctga	ctggtataaa	16560
caaaggccat	atactccatg	gatatgtaca	gaatcaaata	gaattataaa	catagttcaa	16620
agggatgaaa	catttccttt	tatcttttga	gatttcactc	aggtcagata	actggccaga	16680
ctgtgtgact	gaagataata	gaaaccagac	agtgtgatg	ttaggagcaa	caccctgacc	16740
agtaccgctt	agttttgcat	gcaatgagtg	ttctagatat	tgaaatagtc	tctctttaaa	16800
atggtatgct	atcacttgga	ctttttcaaa	atctgcagac	acaaaatcag	agcagttcac	16860
tctataaact	ataattcaat	gtagaatatc	atgtgatgcc	atcctgggta	tttcagtcac	16920
tctcacattt	attaatgtgt	gctagaatgt	tcccagatgg	aaaaacatga	aaagcttaaa	16980
tctctagaag	gagagaagtc	gatagtga	gagtagccat	gctgaaggca	cagaatgatg	17040
cttgtggaag	ctggtgatat	ttatgttaga	atcttagtct	cacaactgta	aatatgttta	17100
aatgttttac	attctaaaat	tttagaggag	agggtgcatc	tcaattcact	ttctcttcta	17160
taatagaaaa	aaaaaaaaacc	tggctaaata	gaacataact	tggtaaagtt	ctgagaggca	17220
gaaaaccaac	gcccagacgc	aacccaaaca	ggcctggcaa	aacattatcc	cgaggaaacg	17280
tttgtgtcct	ctcatctggc	tttagactat	tgacaaatag	acccaagaa	attggaagtc	17340
ctccaggaat	ttgctgaggg	aaggaaaagg	ctgaagcctt	gtgtcaatta	cagggtgagc	17400
atgtctccca	ggaagaaata	tcagatatca	gatacttagt	cagacctcct	tgcagaagag	17460
actggagcgg	agacagagac	agtagctgga	agcacacttt	gacctactgc	ttagtcatat	17520
atacatcctg	acctctatct	aaacaagatg	aacttggggc	actaaacctc	tgttcctctt	17580
cttaacgtgg	ccacattgaa	ttactcccat	ttctagtatt	tcactattta	tatgtcactt	17640
tacctggctg	gttgaggaca	ggtgtcctaa	cttggcagga	tggggatgct	agagcccagg	17700
atctaaccct	atctactgca	gaggtgccac	cttttccttt	aatttcaagt	aaacatggta	17760
tgtgccacta	gtgtgtagga	aggttgattt	ttaaaggga	taagaattga	aggcgttgct	17820
taaacagtta	atctctgtca	cattacttgt	actctgcatt	tgtgggttta	tctgcctcct	17880
tccttttatag	catgccaaac	aagctgcttg	tcccttgttt	caaattgctt	tttagacttc	17940
aattttattta	tttattttatt	tattttattta	tttatttttt	aggattcaga	agtcaactga	18000
cttcaaggat	cagagaaaagc	attccctcct	acgaccccc	ccccctttta	atacagtaaa	18060
cgcttgattt	agcttccagt	gccaacaca	agttcagaat	acaagaaagg	aaaagcaagg	18120
cactctgctg	ggggaggagc	ttggcactca	aatccactct	gctataaaac	agtgggtattc	18180
tgctcatctc	agagagaagt	gggaacgtgt	taagtaacac	agaaattgtc	tcaaagcctg	18240

p11089.ST25.txt

tgcatctatc	tgcgcggtgtg	cttggattgg	aagaagagtc	tgttcgctgg	agctccacgc	18300
agccagaagt	cggaaaaggta	agaggtgtgc	aaaatctgcc	attaagtagg	gactaaggaa	18360
gaaactgcct	gtgatgggtcc	cagaggggtga	atcccacagc	cgctaccttc	ctatcctgta	18420
actctatagt	aagccacttt	ctcaagtgca	aaaaagcctt	gaggcagctg	gttttcgacg	18480
gttgggggat	atttattcct	tgctccacag	atggggaaaa	aaaaatcagc	gtctggcagc	18540
cgctgattgg	tggaaaagaa	aatgggtgata	gtggagtggg	aatgaggatt	tgctgagcct	18600
ccccctgctt	cttcgacctg	taactcttcc	ttagtcggct	cccccttgca	cccagaaccc	18660
tttttagactc	ctccggggta	aaaacaaatg	gaaatcttaa	gctgtgtgaa	caaaaagcaac	18720
cccaagggtg	tgtgctccct	ctccattgcc	tggctccgca	cacagaccat	ttcaggcggt	18780
ccagctctct	ggtgtggcat	ctgggctcgt	cctggaggag	ggggtcgcct	agaggaaactg	18840
ggaacagact	gaggcagggg	aggagggggg	tggggcagga	gaggcgccag	ctcaagttca	18900
gccacgataa	aactgagggc	cctctgaact	cgaggggagg	ctcaggccgt	cctctcttcc	18960
ttccatccgg	gggaatgtgc	tccagatacc	cacagccctc	acgcaccgca	cctccaacca	19020
accctgcccc	tccctaggaa	gaggagcgaa	ggcacgaggc	aggcgagggg	cggggagagg	19080
cgctgacaaa	tcagctgcgg	gggcgacgtg	aaggagccag	ggagccagag	cgcccggcag	19140
caggcagcag	acggcaggag	accagcaggt	gttccccctg	ccccctgcctg	cccttgccctc	19200
tttcattgaa	attagattgg	ggaaaacagg	aagaatcgga	gttcttcaga	agcctagggg	19260
gccggtaagt	acctgtagat	ggggcagctc	tggggatctt	agctagccgg	agcaaagagc	19320
cgggacgcct	agagaagacc	aactacagct	gctttggcgg	tggggactgg	gccagtgcgt	19380
ggaaagtaca	tactcggct	ttcctttcgc	tggagacatg	cccttccatc	ctgtcaaagc	19440
ccgagggaaa	ggccagggtg	cctgtggcat	ctgctttttc	aagcggaaac	gctaggggtgt	19500
ttcatgttga	gtgctggatg	gtggaagctt	agtgtggggc	attgggtgga	atttgagcat	19560
ccaactttca	tgctccaacc	ccaggcattt	cagcttcttt	ctgtagagga	agaaggggtgc	19620
ctttggccca	tgattaatag	aagtgcagag	gacagtaggc	aacagggtgat	aaaggggttaa	19680
tgagcatggg	gtgcagggtc	ttctagagga	ttccagctga	ggacagagct	tcttggttgg	19740
gtggtgctca	agtgagactg	ctcaagtgtg	tggacagcgc	ctgctctggg	cagatagcag	19800
gcaaagagct	agtgggtgggc	agaagggtctt	gcaagattag	aaaggctggg	cttcaagcag	19860
ttccctactt	ctagattaaa	cagttcccct	cccttccttc	tccaaagact	gactcctctc	19920
tgggtctttt	atcctcttgc	ccccactcca	tctctgtacg	cccacctccc	atgttccttt	19980
tctagatagt	ctttttactt	tgaatgtaac	ctttggggcc	tgggaacttg	atggggtaga	20040
ggatgcccac	ctcccccttct	gcaactcttc	ttctgaaata	tgtatgtaag	agcagtcgaa	20100
tgatcaaact	agatccatcc	catccttaag	tgacatgact	ttttcctagt	attgagtgac	20160
ataactcaac	aatcaatcaa	cactgtgccc	agcaccceca	catcccccca	cccaagaaat	20220
cacacttaca	ccaggacttg	ggggaaggca	tactgatttt	tccccctcaa	tttcctttct	20280

p11089.ST25.txt

ttctctagct	gttttaaacc	ttattattat	tattttttta	cccaaatttt	ctaattcaaa	20340
atgtattctg	tattctctag	tgtggagcaa	aaatacatct	ttagccatgg	atgtgttcac	20400
gaaaggactt	tcaaaggcca	aggagggagt	tgtggctgct	gctgagaaaa	ccaagcaggg	20460
tgtggcagag	gcagctggaa	agacaaaaga	gggagtcctc	tatgtaggta	ggtagtgaca	20520
ctgtgactaa	tgaattgggg	tggctggtgt	gtggtgtctg	attcgtgtgc	atcacagctt	20580
ctcagaagag	tgacagctgt	gtggaggtga	gagaatatga	acctgcatat	tagctctcag	20640
aaacaaacag	ggacaatggt	ttctgtcctt	agattcatta	atcttgttat	ttatgtaggt	20700
tttttatttg	gttttctggt	tctgtgtatg	aatacactga	attttaaaaa	ttggcaaccc	20760
atgaaaaata	accaagaata	tgcttatgaa	tcaaagacat	gtatggcagt	aagcctggtg	20820
gcatttggga	agtggaggcc	caaggaccag	gagttgatgg	tcatcttcag	ctacacagag	20880
aatttgatgc	cagcctgaac	tatgtgagaa	cacacacaca	cacacacaca	cacacacaca	20940
cacactcaca	ctctctctct	ctctctctct	ctctctctct	ctctctctct	cacacacaca	21000
cacactcaca	cacacacaca	atacacacac	acacactctc	tcttacacac	acacatacac	21060
acatacacac	atacacacac	acacatacac	acacacacac	actcacacac	acacacaaag	21120
aaataaagaa	ataaaggaag	gaaggaagga	aggaagaaag	aaagaaagaa	agagaaagaa	21180
agaaagaaag	aaagaaagaa	agaaagaaag	aaagaaagaa	agaaagtgag	ccacaagtac	21240
tcatgggact	ttgatttctt	tcatcatcac	tataggtaat	acctgctaag	tttaataaat	21300
tataaagctt	taaacaatag	ttttgcataa	ttttatttta	caactgtgaa	aatacaactc	21360
ctttgaccct	caaatagaag	aaagaaagca	agtcttcttt	ggtggatctc	cttttaggga	21420
tcatttgggtc	agtgggaaca	gcgggactta	aggaacttca	gaaatgtttg	tttagttcac	21480
ctgtcagaga	tcatacatgc	tgaacagtaa	gaggttgata	tttagtgcca	ttttctgcct	21540
gactgtacac	attgaaagga	aggccaacac	tccctttctc	tgtctttccc	tgtgttaaata	21600
tggctgtaac	tttacaaatc	ccttctagta	ctttcatgga	aggaatagac	acctatgcac	21660
acatgcttat	ccccagcaga	gacacaggtg	cacatgggag	cacagttgca	gggttcacat	21720
acctctcttt	cctcctgtga	acactgtttc	caccttctta	ggagggcatc	tctcttggtg	21780
gaagactcag	ggtaaacatt	caggctgaaa	aggagcagaa	caggtggcaa	aagtgatgca	21840
gatgctaccc	agagtaccaa	tcgggggaag	ccatgctgac	cctccaaacg	atcagtgagg	21900
aattgatact	tgtaaacatt	ttcatgaatg	tgtcttttca	ttgaagtttc	tagcagatca	21960
cctttcctaa	ttcttcacag	aataatttta	cattgaatta	attctctttt	tctacttaaa	22020
acatcctttc	agaaagtctt	gtaatgagta	ttgtaagaga	aggggtgtcaa	tgagctaatt	22080
ttagagtgtt	ttttttttta	tgaattgtga	agtataatgt	tttagataga	attcagaata	22140
taaaagcagt	aatttgtaga	tttggggaaa	aactcaattc	ttccacaact	acaggcttgt	22200
gactgatttt	tttttttttt	acttcagttg	cttaagaaac	atatctgtag	atcactaatt	22260

p11089.ST25.txt

taaagcaaat	ttagaagttg	ttgaatatta	athtagtata	ttactctttc	tggataataa	22320
atggattttg	tcaagcagaa	cacttctttg	tttttattgt	taattttgag	tttgggcaaa	22380
taaagtgatt	atatttttca	aagattaatt	ttgttggtct	ctgtgaggcc	attatattga	22440
aagtgttaatt	ttaatatgtc	taatattatt	aaaattatca	atgtctgtta	ttatatttaa	22500
aacatgttta	attaatcaat	tgcttattat	gttctggaat	ctaattaaaa	gctgaacaca	22560
tgcatagagt	ttgggatgaa	gagtaatgtg	tgaagataag	aatgatagct	cagatatttg	22620
tcaacttctg	ttaatgttcc	aacacatatt	agaaaatctg	tcatagataa	tcagctgtac	22680
tgttggctat	actgattatt	gcttagataa	tcaactgtgc	tgttaaagta	tgaaaacaac	22740
cataggcaaa	aaacagtgtg	actctgcctc	tgtctttatt	gactcagaga	ctatagagaa	22800
atgaaaggaa	tgtagactct	ggacttgact	tgatacagac	agaaatttaa	ttcaagccac	22860
atgatttctg	ccttttagcat	ctgcaggagg	taacttgata	tctttgagtc	tcctcccctt	22920
tttcacatac	acatagttca	taaaaatgca	actgctttgt	aaagttacta	aagttatgta	22980
gttaaggtag	taactgagtg	cactttcata	tttaggaaac	ttgaatcttg	tcagagaagt	23040
tgttcaatct	atctgttact	cagtcaacct	aatttcttac	tttttatcca	agatatgaaa	23100
ctattattaa	tacctaacct	gaaggattag	aaataatctg	gactttggac	atagctcccg	23160
tggcacagtg	cttgtctgcc	agcatgcagc	cctgggttct	attcccgtac	cagaaaaaca	23220
aaagattaaa	aataaaaagg	tagaagtaat	caaagaaaaa	caatgtaaac	ttcagcactt	23280
atggctgaaa	aggcttgga	gaagtctcat	ctcatctcta	ataacaaatg	ccttggacaa	23340
ctgcctttca	atgaattgaa	gacctgccat	actaatcagt	gtgctgattg	tctctgtgat	23400
atgtgcacaa	aaaattcaat	taacatattt	tagcttcata	atcaacagtc	tcaatggcgt	23460
gatgtataat	tataaattga	atttaaagtc	aaaaagtttt	cttcacttca	tgtagtttt	23520
attaatacta	taaagaaaat	caccttcaag	ttctgtttca	ctgcctgggtg	aagagctgtg	23580
gtcacacatc	taactcctaa	gtctcacatg	tgagacttaa	ctacatgttg	ctaagtagtc	23640
agcatataaa	ccaatgatat	gactcatttc	tcacattcct	cttaggtccg	tatccttgta	23700
atattccaaa	taaacaagac	agggtggggg	ggaaggcagg	gtacatttct	aggctcagag	23760
aagccattat	tatattgttc	cccagcttcc	atatcttact	tcttatttgc	tacttgatga	23820
ctaatttttt	tttgctatat	cttatcagtt	agatctcacc	tgtaaactga	agataaacta	23880
tcatttataa	cttagctgat	aattaggata	acaaggtga	gaggatgggt	ttgagataca	23940
gggccttcaa	gactcatttg	tctttcatta	aagaggcatt	ccatgatatt	accaaacgtc	24000
aaattctctg	ttactgctga	ggcaaagaag	acagacaaga	gaccagccag	tgagcattag	24060
ttttccttgg	tcatgctttt	tttttaattg	ggtattttat	gtattttacat	tttaaacggt	24120
atcccctatt	ctatttctaaa	ccccttccct	ggcttctatg	agaatgctcc	cctgccaccc	24180
atatactttc	acctcacggc	cctggcattc	ccctacacta	gcgaatccag	ccttcacagg	24240
tccaagggct	cttcttctat	tgatgccaga	caatgccatc	ctctactaca	tatgcagctg	24300

p11089.ST25.txt

gagctatggg	ttcctctatg	tgtacttttt	ggttggtggt	ttatgggagc	tctggagggg	24360
cttggttgatt	gatattccta	tgggggttca	aaatggttgg	cttccagcat	ccgaatctgt	24420
attgatcagg	ctctagccga	gcctctcagg	agacagctgt	atcaggctcc	tttcagcaag	24480
cagttcttgg	tattagcagt	agtgtctggg	tttggtgtct	gcaaataaaa	tgaagccttt	24540
ccttcagtct	ctgctccact	ctttgtccct	gtgtctcctc	tagacaggag	ctcttaaagc	24600
ttgttgtagt	gaagatgata	cagaagagtt	gagttctctc	acgcaagctg	ttctactact	24660
tgtgcagggg	gccctgccca	ccaccatttc	cagttgtgat	gtgaatagca	cctgtctcat	24720
aaagcacaac	ttaaacacct	gtgattgcag	tgcataaatt	aatagtaatt	attcgaggta	24780
caaactttac	tgctagcact	tcaccctaaa	aattatcgca	aaaataatga	aagcccaatg	24840
taattggtga	ctacattaaa	ctacttcttt	cagaatttgt	ccatgagctg	ccactttcca	24900
tctgttaca	gatttgcaca	aaaagcagca	cctgtgggtg	tgctgtcttt	tgtaacctgc	24960
taataaatcc	gtgtgatatt	tttacagaca	cacatctcag	aaaggggaaa	ctgaccagct	25020
gaggtgaagt	cacatcaagg	caataaagtg	caaatcctg	ggagcaattt	gtttatagaa	25080
aaataacagc	tgaatattca	gattgcagaa	atgtaaattg	aatattta	aattttgga	25140
atagcaattg	gttcataccc	gggttagtgt	atatcaactt	gaaagaaagt	agagctagca	25200
tatgtggtct	ctagtgtagt	cctagatagt	atgtacacac	ttcaggggtca	ggaggtaaat	25260
gtacaagctt	acactgagga	ttgtgacata	tcagaagcca	ttgtctcaga	ggaagtaatg	25320
ccttcttaac	cccatgctaa	aagaactatc	agagtcagat	cgcgcatga	agagttgtgg	25380
tggtttgaat	aggaatgcca	cccagagtct	catgaacctg	gtaccagcca	gtggtactgt	25440
ttgggaagga	atatgcagtg	tagccttggg	agccgaggta	tgtcacaggg	agaggcagtg	25500
aaggtttaat	agccacccat	cattcccagt	gtactcttgg	tcccctgctt	ttggatcaat	25560
atgcaagctc	tccattgttc	ctgctgccct	tcccttccta	ctccactgtg	gattctaaca	25620
cacccaatgt	tttaggacat	gaaaaagata	cccacaccgt	aaaggcatat	gcaatgagaa	25680
gaaggcaagc	tttgttgaaa	ctacttaata	agcacattgt	ttttgcaaaa	attaaaaatt	25740
ctaaactaca	aaatataaaa	taaatattag	ctttaacatt	ttatcatttc	ccaacatact	25800
tgtgtttaat	aatttgactc	atagccccct	caccatccac	tgcttataca	gtttcccat	25860
tcattgttag	gttctgtaca	ctgatcagct	cagcttgctc	tcacagctct	acagtccctt	25920
gcaaaatgag	cagtgcctat	gaaatgcatg	cagacagcac	ccatgcagaa	cacatatccg	25980
ttcctgctaa	caagtgtgcc	tttctctctg	cgctgcttct	agtgcggtga	tctttcctgt	26040
gctttcagct	tcagcttctc	cttcagaggc	atttgatgg	gtaagaacaa	gagtttgcac	26100
catgtctgta	tcatgcattc	aacagtactg	agggttttac	ttcaacgatt	tccttttatt	26160
cttttgccaa	gatcatgatg	cagatttcgt	taacctttag	tgaagtgaag	agttaaatct	26220
ggactctgta	tcgggggtggg	ggtgggtggg	tctttatttt	caaaataaaa	gttcctacat	26280

p11089.ST25.txt

atgctttttt	aattaatgag	ggtttaattg	actcctttct	aaaatattat	tttaaataaa	26340
atagacaaaa	attctcttaa	ggctatatgt	atatatcttc	aaaactat	actaaataat	26400
ttaacatact	tttgtacatg	tacttagggt	atcttattga	tcatattatt	cagctttag	26460
aaatgcacat	ctgaatttta	agcaattttg	gaattagaaa	ttacctcata	gttagtggtt	26520
gtcaacttga	caggaagtag	agatatgtgg	gaagaggaca	taacatttga	ggaaatgtct	26580
acctctgatt	tacccatagt	aatgtttgtg	aggatatttt	cctgattgac	aactgatgga	26640
ggagcaccca	gcccactgtg	ggtaggcacca	cccctaggca	ggtagttttg	agtgttataa	26700
gaaagcaggc	tgagcaagat	atggagagca	aaccagtgag	cagcattttc	ccgaggtctc	26760
cacatcagag	cctgcctcca	ggttcctgcc	atgcttggag	tttctacttt	tggttccctc	26820
gataatgaac	ttccaaactg	gaagctgaga	aatctccttt	tccacacttt	gtgtttggtc	26880
acagtgttca	tcaccaaaaca	gaagactttg	attggcaagt	tagttatgta	cagggaaatgt	26940
ttactctaaa	tgttggtatc	tgtactttat	gactgagcag	ttggcttcta	ggaagctatg	27000
tatatgatat	agtttttgta	ctagtttttt	ttcctcttct	tgttttctgt	ccatgtagca	27060
agacattttt	tttcttctca	aatagtgcac	ttttaaaatc	cactatttta	aagttttaaa	27120
attccccccc	ccccacatgc	tggcctaagt	ctttttcagc	ttatatgtcc	tcatgtcctt	27180
tttatccttt	gcattcttct	gtgtctagat	aagattat	tagttaatgt	tcctctctcc	27240
atctcttttag	tcctttcttc	cttggtttct	tggtaatatt	ggggatcaaa	tttaggtcct	27300
taaacatcag	aaaacagtgc	tgactaaga	actatgtcct	tatccctata	ggatagcttt	27360
cacttaaaaa	tgtgtatttt	tatatgtatg	tatatataat	atgcatgtat	attgtatata	27420
tatacagata	tataaaaatt	ttatgcatgc	agataaaatt	atcagtattg	attgtacaaa	27480
gtgagaggcc	tcattatgat	gtgtgggtct	ccccttcctt	ggaggtaat	ggcaactggc	27540
ctaataggct	gaggggagca	gaggcggttc	aggcttcaga	ctaccataag	tatgatggat	27600
tgacttctgg	gatcagcttt	agtgagacat	aacaacttag	acagtgctag	ggatttctgg	27660
gtgggtgtag	attattggct	aggttcgagg	tgctgaggat	gtgtcattta	aagaaagagg	27720
aattccagga	attattggga	gagaggttgt	tgaatctgta	atctggccat	tgacaacatg	27780
attgtcttta	taggtgaggg	acatagaggc	ctgatgccac	agcaagtaga	ctaagaatag	27840
ggagagagtg	atcctaactc	ctgcctgtct	aaggatgaga	tttgtcagca	tcttgatccc	27900
gtctcactct	tgctccaggc	tagctctgct	ggctgcacat	tctcacaatg	atcttcccac	27960
agatgcattt	aatatacaag	gttatagcca	cccttctatt	actagttttt	tattattatt	28020
tgtagagata	atgcttttta	tatttttatt	tgctttgtta	ttcctgcgct	ttcatttttg	28080
ttgtgtatac	tcattgttca	tggttccatt	ccataaggac	atctttatat	aagtatatag	28140
aacacgattt	ttcacaattc	atgaatgtat	tttgatcata	actcctctcc	tttattcttt	28200
ctcccccttg	ctcttcctct	ccacttcttt	agtaaagccc	agctgctttt	gcgtactttt	28260
tatcactcta	tgcatatctg	ggagaaaaaa	tgatgctatg	tttttctctg	tgagctgggt	28320

p11089.ST25.txt

catttcattg	aacatgatga	tctgactttt	tccctacaca	tatcataatt	tccttccttt	28380
ttattttccga	ctacaagtca	attatgaaac	ccagtgtgtg	gagaattctt	aaaaagtaag	28440
aaataaaaatt	tccagccatg	ccacttctgt	gcaaccacca	gagccaccat	acaagaatga	28500
tgtactgcat	accatgcata	tttgactatt	caaccataga	gtgttatgga	agcaacccag	28560
atactcacca	gtggatgact	ggaagaagag	actctggtat	aaatcaaaac	cagagttttt	28620
caaatgaacc	ttaaatctcc	aaactattta	atcaaattgt	ggtcattata	ctgaaatttt	28680
aagcattaga	aagattattt	ttaaaatgat	taacaaactt	acttttaata	atatgtgcaa	28740
tagctatttc	tttgtttagt	aatggctcaa	ggcatagggt	aaattcttat	cttacataca	28800
gtcctagttt	gaaagtaaca	tgctgttact	taataattat	gcaaactact	taattatgat	28860
ttttagtttc	cttatgtatg	aatggggtat	tgaatggctg	catcagagat	gatgtgaggt	28920
caatctgtac	caggggttgg	gcagacgtg	atatcttctt	tcctctccct	tttttgttgt	28980
ggattgtgca	gtctctgctc	tgttgtgctt	ttacagcatt	ctcaggtctg	cacagagaat	29040
cttactatgc	ctgtgttatc	ttccctttcc	ttctctctgt	aaattgatga	agaaagcatc	29100
aagcaagggg	tatgtaaaga	gtcgttatgt	tttgtgcatt	gtgttttatg	ttttatctga	29160
taaataaagg	cacaaaactt	ttaccagtgt	tgctcttggt	gcagttccca	tccatgttca	29220
cattgtgtgg	tcaagctaca	catatctggt	gcctctaaca	tatgtcagat	ctttatgata	29280
ttaaccactg	aagcttgtag	ccttttgaga	tccacagtgc	ccagttgctg	tctattatct	29340
cccaggtgga	acagcacagg	agcttcatac	tgctgactaa	ctcaactggc	taccactaa	29400
accctctcca	ggcttccctc	ctgaactcaa	cctggatagg	ctggtggttag	ctttcctctg	29460
gggtggtggc	cagatccccc	ccactttagt	gatttctgag	tgtgattggg	ggttggttagt	29520
cttctgaagt	tatctttgta	cattcccttc	tgaatattga	gaatttttaa	ttggctgctg	29580
taaattgaag	gacagtttaa	tatttatgct	ttcaatttct	ttgttcttta	ggttccaaaa	29640
ctaaggaagg	agtggttcat	ggagtgacaa	caggtaagct	ctgttgctct	ttatccaggg	29700
gtgatatgcc	gaatgccttc	taggctaaat	taacttgatg	cttatacttc	aagatataag	29760
tgtaagagcc	attgtctaca	gaggaacatg	ggtcaattta	tttttttatg	tatctaattt	29820
ttaattttgg	tatggtgaga	tggagtttag	ctacacaagc	cagaacagct	tctgcttcaa	29880
tcttctaaga	actgggagta	caggtatcac	caatggacct	tgcataattg	ctttgtttaa	29940
agtttaaatgt	ttatgcaatg	aaatattttt	aagtagacaa	atatggatta	aaaatgtata	30000
gccaatattt	ctaattggcta	agaatgacgg	atttagattt	gtcaatggta	tttaattcta	30060
ataatttggt	atttggttag	taggctaaat	aaataaaaata	taatgatgct	attattaatt	30120
taaatatttg	atgtaaacad	ttcttttagta	tttagtattt	ataccatcag	ttatactgat	30180
tagatatttc	ctctgtgatt	aacaatcctt	tttagaaaat	atacttagta	gtgtgttatt	30240
tttaaaaagc	tgtatatattt	tattttattt	gtatccactt	gtcatatctt	caaaaagatt	30300

p11089.ST25.txt

ttcaataaga	ctaaaataat	aatatttgaa	ctaatatgac	taaaattata	atgatcaaaa	30360
atgacaaaga	caatgaattt	actgtgggag	gaaaagcaac	aggagaacaa	taagaagggg	30420
aaaaccaaag	agaaaatgat	aaacataacc	aagctgccaa	agcttggtgg	tagctaaagt	30480
tccttatgtc	catttgccat	gcatcagact	accttaagt	ggaaaagacc	tgtcaggaat	30540
gaacttgata	tgatcaggaa	ccttggccat	gacaccacat	aacaaagcaa	atgcactgca	30600
taagatagca	tcacacagt	gcaacctgt	tcttccagt	gctctttccc	aagaatcatt	30660
tgctggccat	ggaggaaaag	aactcattct	ttttagcaca	ctgataaaga	ataatgatgc	30720
taaagcaaca	ctgaagccca	ggaacaagac	ccttttgga	gttcacaatg	gtgaggactt	30780
ctttcagttg	ctgtcccaca	aaaagtgcag	atagcaagag	agtaagcaga	ctgattgggt	30840
cctggaagct	gaaacttagg	cttgactctc	ataagacaga	taagacaggt	acagagtgtc	30900
ggaggcccac	atccagagcc	acgatgttcc	agcttccata	gttgaggagg	aaggaaactg	30960
tgagattcag	agtctattgt	ggatgcattg	ttctctattg	acaactttgg	aaatttttaa	31020
tattccctga	atgacaagga	tataaagcat	gagtttttat	actgtgtgga	aaagagagt	31080
ggggctggag	gagcaagaga	ggtcagaggg	gtgtggaaag	tttctgcagt	aggcaacatt	31140
ttagaaatat	tttctagaaa	ataattgtca	gcaagcttgc	atttccatag	ttttataatg	31200
ttgacaattt	acatgccttt	tatatatcct	tttagtctat	taaggaaactt	gaaatgtctc	31260
acagtaggta	aagacacatt	atataatata	accaggatt	cttgaatatt	tactactgaa	31320
agttcccttc	catatttaac	tgtatcaa	ctagtgttaa	caaaacacta	taagagacac	31380
gtttttgttt	gtttgttttt	tgttttgttt	ttgtttttgc	tttttgggac	agggtttctc	31440
tgtatagccc	tggctgtcct	ggaactcact	ttgtagacca	ggttggcctc	aagctcagaa	31500
atctgtcttt	gcctcccaag	tgttgggatt	aaaggcatgc	acctcccggc	tataagagac	31560
actgttaagc	agcaaggaca	cagtgggtgtg	gttgtggcac	cttgaccac	cattctacca	31620
gtttagaaac	ctgacagtaa	tatataatat	caaataact	gtcacaatta	gtcagactat	31680
gaagaaatgc	attgtcaaga	aaggccacag	taagtgttat	ctctcccat	cacatataaa	31740
taaattgctg	aatttattga	gtagtatttg	tgctgtctca	aagttaagaa	tttaggaaca	31800
ttttgaattc	tggactttca	aagaagtgcc	actacatatg	tttgaaatgt	tacttagaag	31860
ggataataga	agtgactttg	ggaagtgagg	tcacagagct	agctggcttt	gatactgaaa	31920
ttgtatagca	atgctcagac	ttgacactgc	acctggctgc	aatgttttgt	gtccactcac	31980
ctcaatgcaa	accaaatacca	attcacttgt	tgctatgtgt	tataattaaa	ctccaatat	32040
tttctaattt	ctgcactaaa	ttcatattca	gtgtttggct	gaaacatgtc	tcttctacct	32100
tgctgtcttg	tttcttcaga	ctcctgttac	ctatgatata	tgtgtctata	gaagttgaca	32160
gctgctagaa	gtggaattat	taaagtctct	gtcacaccat	catctttttac	tctgttgtca	32220
ctcttgattt	tcttaagtgg	ctgagaagac	caaagagcaa	gtgacaaatg	ttggaggagc	32280
agtggtgact	gggtgtgacag	cagtcgtctca	gaagacagtg	gagggagctg	ggaatatagc	32340

p11089.ST25.txt

tgctgccact	ggctttgtca	agaaggacca	gatgggcaag	gtatggctgc	ctgttttatg	32400
ctcagtaata	accctggaca	ccatgtcctt	gcatgcatca	tagagcatgc	acatgatgca	32460
cactgtgggg	aacactgcct	ttaaagggt	cttattttga	tgcactgatg	tccttgggaa	32520
atgtcatgca	cacaataacc	ctgattgttt	tagtttctgg	aagaaagata	tagaactaaa	32580
aaaacgtagt	aaacactaag	agaccagtga	catttcagaa	agaataaccg	ctttcatgta	32640
aatggtaggt	ctggaattcc	tctttatagc	aatagcaagc	attttcatga	gtaattttta	32700
cactgaactt	agccaaaagg	ttgagaagca	atcatgagta	atttctaaat	tttcagaaaag	32760
aagatctttc	atttgattta	tttggaatga	catcatctct	tattaaatga	catatttgca	32820
tatcatgtaa	caactcattt	ccaaatatga	ttttgccaac	tgggagactt	aaagttcata	32880
ccaaacacag	atcatggttt	catatgggtga	ttcttacatt	ttcagaattt	taaatttgct	32940
tctggataaa	tatgaggctg	cagtgcacata	ttctaggtat	aattttccta	tcaaagtgtta	33000
aaggaacaga	aaatgaggac	ccctggaaga	tgacgtttca	caaacctcat	gatcttacag	33060
taggatgagt	tttgcatttt	tatgtcacat	gtacttttat	actttttttg	agagattcca	33120
gcttcccccc	aaaaaagccc	atctcagttt	ctcttgctct	gggtctttgt	taaatgacat	33180
cttccttgca	atgcctaatt	tatttaaagt	tggaaccatt	ctcaccatg	aaaaccataa	33240
cctttctatt	ctaatttctt	cttgtttgat	aaagtgtcat	tgcatttaaa	ataaattaaa	33300
taatctactt	gttttgagta	tgttattttt	ctttgtctat	gtaggcacta	tcataatgta	33360
aatattttatt	ttgcttggtg	atacttcatg	tgtctaggca	agttcctaac	tacaaattca	33420
gtaatgaata	agagcttatt	aaggatcgaa	agaatggata	aatgacaatt	ttctaaggat	33480
taataatcat	atacatgggt	taaaaccttt	ggctattgac	tgatccaaaa	gttgtaatca	33540
aatgggttct	gaagtagaca	tcctgaaaca	caaaagaaag	atactttcac	ctgtgggcag	33600
actactatgg	gtcttctcta	tttactcat	cctaggtggc	agaacaaacc	atggatagtg	33660
gattgggaaa	ctgaggatgt	acatttcata	gacagttcta	ttgttaggga	aattaaatgt	33720
aacccaagat	aatctaggaa	gtgttcagag	aagtgtcag	ctgatgtcaa	catggactga	33780
tcaattcagc	tctgctctga	gtgcaatatg	cttttggtgt	aacgtcattt	ttgtggtaat	33840
aactatatca	atgcctattt	tccatttgac	attgtaatca	tatgtttatc	tttatcatac	33900
ttaaaatttt	aagagacttc	agattagtat	caaggagtct	agaattacag	gttctttgac	33960
aatctagtga	aaacaaggga	acctctgtc	agaaaaacac	atgatcacac	atatacaaca	34020
aagcaccaaa	ggaaggccat	caacagaccc	tcaatttaaa	accaactcct	gatgaggaat	34080
gtggaatttg	tagaggggaa	gtgagtgtca	agttcctgca	gtgactggag	ttacccgatg	34140
accttcacac	acatctatct	gagttggcaa	gatgtgaagt	gttttaataa	accgtttgtg	34200
acttataatg	catgttttaa	gtgcagacaa	agtgacatca	cttgcccagc	tgtgtcacca	34260
atacatacct	tcctttgtct	actgattgaa	ttgtgcaata	ctagagttag	tggaaaacct	34320

p11089.ST25.txt

tagtgctttg	gaatgtataa	aggctgggaa	gcatgtctca	ttccatttcc	cactttgtct	34380
gcacctaaaa	catgcattat	aagtcacaaa	cggtttatta	aaacacttca	catcttgcca	34440
actcagactt	attttctacc	ttttataata	acaatccata	tttttagtatt	ctaaagcgga	34500
aatctaccag	tgttacaaaa	tgaaacattt	gcagatat	tttcttagagg	aattaactct	34560
gggctcctaa	aattttctaa	tataaaaatg	aaaccataaa	cagaaattgc	agtaaaaaaa	34620
attgggataa	aaccctgttg	gtttgggggt	agatgggtga	tcttcatagt	atactgggtca	34680
tttggtagct	atgaaagctt	gtgctaagcg	cccaagacct	atccttatgt	aatggggagc	34740
tctgagtttt	gctaccttac	caaaaagctg	gtaaagccca	atttagaaat	gaattctgaa	34800
tatctacaat	aactcaagga	atacacaat	aaatgccagt	aattgtggcc	atattacttg	34860
attcaaaaca	tatccacagt	ttaaataaaa	ttggatttat	ttctaaagaa	atttgaaata	34920
ttttatttca	tctttcagat	tctaattaaa	attatcttgg	tgaaaagaaa	caagcatata	34980
tttggttaaat	tttttaattg	attgttagtg	accccaattg	gcccatttgt	aacaaataat	35040
gattgtgtct	cgtgtgtgag	aaacttggaa	gaacagggat	ttgaccaata	gctctcatat	35100
actaataaaa	ggctaataga	agggattagt	cacactatct	tggtgggttg	gtctcaagga	35160
ctagcttttt	ttttttttgt	aaagttttat	tcattttatt	tatgtatatg	agtacagcat	35220
tgctttcttc	agacacacca	gaagagggcg	tcagacccca	ttatagatgg	ttgtgagcca	35280
ccatgtgggt	gctcagaatt	gaacgcagga	tctctggaag	agcagtcagt	gcccttaact	35340
gctgagccat	ctctccagtc	ctgttcccag	ctttaataag	acaattaatt	atatttatgt	35400
tatttatctt	tatctatttt	tctgaataac	taactatgtc	tgcctagcac	tgagaaggag	35460
ttcaatgatg	attaattata	tctatctttt	attatttatt	ttaatttaaa	ataacaataa	35520
aatttaaaat	gattactcta	caaaaaagta	gaatatgtca	taacacatgt	taacagtaga	35580
atgttatatt	aagtatacat	acaaccacaa	actgttatag	caatcaaggt	aattaacata	35640
atcaatgact	tcaatgactg	tggtggcagt	caggtattat	taactgcaag	aactgtgtca	35700
catgttaagt	ttcaagggca	ttccctccct	cccagttcct	taccctgat	aacttatgag	35760
caacatcttg	ccatttcttc	caccttctag	cccctggtag	ccacaaatct	aacctgtttc	35820
tatggacttg	atgttttctt	agaatatatt	ctacatagat	gagagatacc	aaagtatata	35880
gctttgttcc	tctggtttac	tttgcatgtg	ataatgtcct	caaggcttat	ccatgctgtg	35940
gcaaatgtaa	ggatttccct	gtctgtatag	accttttgaa	ggcttaataa	tattgcattt	36000
gtacacatat	gcacacatct	ttaccattt	agctgcta	tactctttgg	catgtttgca	36060
catcttaact	attctgcggg	tttctttctt	tatatctacc	aattcgagtt	tcagactata	36120
tggtagctgt	gatttttagtg	tttgaggact	tgactcagt	cttagtagtg	actcagttat	36180
attttttagca	gagggtgctaa	agcttccctg	tcctctacac	cctcaattct	tgccgtgggt	36240
tgctcttttg	atgaccagtc	taatggcgat	aggtgataat	agatcattgt	ggctttgaat	36300
tgtttttact	tacggggttag	tgaagaattg	ttttcataca	gcccttggct	atttgtatgt	36360

p11089.ST25.txt

cttctgtgat	aagtgtcttt	ccagccaatt	agttcagtgt	gtgtgcatgt	gtgtgtgtgt	36420
tgtttttggt	gtgtttatat	gtgatatgtg	tctgtttgtg	gtctgtggta	tgtagagtat	36480
atgtgtatgt	gcattttatg	tgtagtttgc	atgtgtatat	gtatgtaaca	tgtgcatgtg	36540
agtttgtgtg	tgttatgcaa	attcacttgt	ctgaacaggc	atgtatagag	tccatagatt	36600
gacattggga	tattttttca	gtcatttgtt	tcaggatcca	tttcctagtg	ttgaatttac	36660
agggtgtgcac	tgtcacgtgg	cttttcacgt	ggatcttggg	gatccaaatc	aaggacatgt	36720
gtttacacag	caagcatgtt	actcagagag	ccaactctaa	agcttctttc	gtcgattttt	36780
ttctcttaac	caaaatagat	ttttttatac	agaatattct	gaatatagtt	tccctcctcc	36840
aactcctccc	agttctcccc	catctcccct	ctcatttgta	tccataccct	ttctgtgtct	36900
cttagaaaac	aaacaggtat	ctaagggata	ataataaaat	tagataaaaac	gaaaacaaac	36960
agaagaaaag	cagtgaaaga	aaaagcacia	agaacacaaa	tgaatgcaga	gacatacgtt	37020
tacacacaca	ggaatcccat	attaaccaca	agaatggaag	cggtgataca	tgcataaaga	37080
cctgtaagt	aaatacagtg	ctctgacaaa	atattagaag	agaaagaacc	tccaaagatg	37140
ccactgacgt	aatttttctt	ttggcatcta	ctgctgggca	tgcagcccat	ggcttggttac	37200
tccagtgagt	cttgcttggg	gaaaccaagt	ttttatttgc	aagtggttat	ggattggagc	37260
aagcttctag	tgagggctga	aggcatgtgt	ccacttctcc	tttcatctct	aggactccat	37320
ctggtgcagc	tgtgcaggct	ctgtgcatgc	tgccctcaggc	tgtgtgagtt	cctctgtggc	37380
catgtttaga	ggccttggtt	ccctgggtgc	ttccattccc	tttggctctg	atactatttt	37440
tcacttactt	tctttttgtt	gagcactgaa	caaatacata	gtttgcaa	tgtttctcct	37500
ctttacaggt	tactcctgta	tcttgatagt	agtctaattt	acagtggaga	agctgtcagt	37560
ctgatgcagc	ttctatgtat	tcccactcta	gccagtagat	tttgagtttt	accaccaccc	37620
ccaaatat	ttcagaccaa	tggtgataca	ttttcctttg	cactttatta	taatagtttt	37680
caagtgttga	atgttgtgtt	tgagcttttg	gctgttcagt	tttcccagca	atgtctattg	37740
atgatgtcct	agagctgctt	tccccattgt	gtgattttga	cacttttgac	atagcttgcc	37800
tgctgttgag	tctgtgggtc	tacagttctc	tgttccagtg	cacacattat	gccagtacaa	37860
tgctgttttg	gttactcaag	tcttgttacg	gatttttaaa	tctggcattc	tgatgcctcc	37920
aggttgaatc	tgaaattttg	atattattgc	ttgtttctta	agggtggcttg	gatattttaa	37980
gtcctctgat	ttgactcttg	tgggttttagg	gtttttgact	atgtctgtaa	aatgtttcat	38040
tttagtttgg	ggaagaggca	catcccatct	ctaagtcatt	ttggcgacgt	tggttaattct	38100
tcagatccat	gaatacaggt	tttctttcca	tttacctctg	tctcactttt	taaaaaatca	38160
atgttttata	attttttagtt	atttaggctt	taaaacctac	gttcgattta	tttctatgta	38220
ctttttattg	acactcttaa	tgctcttgac	actatttaag	tggaattact	ggtttctttc	38280
ttagtttagat	atctgtgtaa	aactgattct	taattttgcc	tattgacttc	atatcttgaa	38340

p11089.ST25.txt

actactttat	ttattaattc	tatttggtgt	aatatttaga	ttctttacat	gtacatatca	38400
atthttaccat	ataaaacata	tgtatatatt	attactgtac	tataaacaat	caggcataaa	38460
cacttaatga	tataaaacat	ggaagatttt	agaagtgact	cagtacttgg	tagatctgat	38520
ctacaatgtg	ctatgtgtaa	aagcttatca	gttgttacaa	actcattcag	ttgattgtta	38580
cagtggaaac	tgactaatat	gagttgacag	aaatataagc	tagtagtggt	tttatgtaca	38640
gcatataaaa	ctagtcccca	ttttcacaga	gagaacgac	tgcttgtagc	aagaatgttg	38700
aaacttaggaa	gttactggcc	tccatgctgt	tgagtaatgg	cacagtgttt	acaatgcaaa	38760
gctagtcact	gagcatctgt	ctgggacatc	tgccctgtct	gtctgcttaa	tggtgttctg	38820
tttgggccta	ctatttaaac	caaccattgc	taaataaatg	gacatctttt	tagttccatc	38880
tagagtgtct	tgaaaagttg	tagctaaata	tttaaaaaat	gttttgaaaa	tgagtgaagg	38940
actgagtcaa	ttgtggagtg	tgctgccttg	catatatgac	attgctctgc	ctcttatcct	39000
gtgcttttag	gtatcaatct	attcacatga	taactcatag	ttttcacaca	ggtaagcttg	39060
aagcaccaaa	gatcaggagt	gttaattatt	tttctccaga	gtcagaagaa	agtgtgaag	39120
cattgataat	cgtgaaacat	tcatcattag	attataaata	atthtttttaa	tttatctgtc	39180
tggtcaactt	tattthttttt	tggattgcat	tttatthttat	ttagtthttt	ttttacactc	39240
cagattthttat	tccccccacc	ctgtccacc	tccgactgtt	ccatatccca	tacctctact	39300
ttaccactt	gtcttcacaa	ggatgtcccc	cgccctcacc	caaccagacc	tctaaattcc	39360
ctgaataaaa	ataatgtttg	aaaaccttaa	tttcaagaca	gaataaaaca	catgcagtct	39420
ataatcattt	cttgattgat	aagaagagag	ctaaccaaat	gcagaaagaa	cagtgtcatg	39480
tttggcatgg	tctttaatga	tcatgacatt	cttctccctg	cttcctgttg	gcacgattga	39540
tgagcgcagt	gttggtgcaca	ttaagtccta	aacactgaaa	ctgactttga	tcagatgata	39600
tatgctgcct	ctaggtgagt	gatttgatca	caatctcaca	aagaatccac	aggtcatagg	39660
caacattttg	catttctcta	aggaaataca	tatattacag	gtggaatcaa	aggtgaggat	39720
tagtgaaaca	ttttccttta	ttttaagatg	ttttccttca	gtgtttaata	atgaccaatg	39780
caataagttg	tgtgaaagca	ttagaactcc	aagttctgtc	tgttcagtcg	aagatagtca	39840
ggacagtatt	caaacctaaa	tgaaagcttt	gtgatacagt	gagtgatctg	ctctgttgtg	39900
gtagtggagt	ctgtgagcag	cattggaatc	ttaaagtatg	ataatacccc	tcaaaggaat	39960
aaacacaatg	ggcttacttg	atctgtttca	aatcagtga	tgttccatat	catcagtagc	40020
atthtttgcaa	tgtgatccat	ctaagatagt	atthtttact	aaaaggagaa	catgctaatt	40080
gtgtacatta	tccttgctta	gaaacaacag	gggaatgcc	gggccaagaa	gtgggagtag	40140
gtgggtgggg	gagcatgtgg	gggacttttg	ggatagcatt	ggaaatgtaa	atgaaataaa	40200
tacccaatta	aaaaaaaaga	aacacacatg	ttgagtgggt	gtattgtaca	taaatgtttc	40260
actgctctta	tatgtatgga	gaggaattgt	gaatcttagt	gatttcta	cagggaaatt	40320
tctaaaagga	aaagaattct	gtaattgtaa	ggaaaaatag	ccttactgga	ctthttgtttg	40380

p11089.ST25.txt

ttgtaattcc	aaagcactga	gtcatttgct	aatatgtgat	tggtatccag	atggatcagc	40440
aagaaatgca	tgaatcatga	atgcatgttc	cctgtgttat	gtatgtagac	cactgagggc	40500
aacagacatt	atccctagtg	aaaaacagtg	agtatagtat	gtatattccc	taagcttata	40560
tctattatag	aaagagttaa	gtggcttttg	ttagaaatga	aagagaattt	gtattattcg	40620
aaataaatac	taactctgat	gagtgttaac	ctgggttttt	gtgaatagca	aatgaagtag	40680
cttcagacaa	ataataacca	taatatttca	cctgcttgac	acaagaacac	aaactttttc	40740
cactcaagtt	ctatgttcag	tggtttataa	tctgtcagca	tgaaaccttc	agcaacatag	40800
acatgaataa	aaatgtttaa	aggccagact	atggatgatg	ctctttacaa	aagaaattgt	40860
aaggccagca	tggtagtagt	actttaagca	taccagtggg	caaatacaag	ctatactatg	40920
caaatctgtt	tattttctca	caagtgctgg	cagagggttaa	tattctaaca	agtgctaata	40980
cagtttcatg	aattgatttt	taaatttttt	attgggttatt	ttattttatt	acatttcaca	41040
tggtatcccc	cttcctgggt	tccctgcata	aaacctctac	tccatttcct	ttccccatta	41100
cttatatgag	ggtgtcccc	ccccactccc	accttactcc	actatcattc	tcctacactg	41160
gggcattgat	ccttctcagg	accaagggcc	ttccctacca	ttgatgccag	acatggccat	41220
cctctgctac	atatgaagct	ggagccaagg	gtccctccat	gtgtactctt	ggattgggtg	41280
tttaatcctt	ggaaactctg	ggggatctgg	ttgggtggatt	tggtgttcta	attgggtcta	41340
gttgatatac	tgtgaacatt	tattgctact	gtcctttcac	ataaaaccat	tgtataatat	41400
tttatagggg	ttcatttgag	ctgctactat	tatgttttaag	atgatttcaa	acttacatga	41460
ttttatggaa	tttattttatt	aaagggatta	aaaatgatac	atatgcgcgc	gcgcacacac	41520
acacacacac	ataccacatt	tctacaatcg	aacaagttaa	catgcctgct	atctcacaga	41580
gtacttctct	ttgtttttta	gtaacagaag	ctaaaagtta	ctcttttgga	aaattgcttg	41640
catacactct	atattaggtg	ttgtctttac	attcctgagc	tcgccagact	tgctcacaca	41700
gttgactgta	ttctttttta	tatctttgca	catctaactt	gtattttttac	tttgtaatga	41760
aatggcaaac	tcttcatatg	gaggcagaat	ctgattataa	tgtgcttatg	tgacagtcac	41820
tagtcttatc	ccaaattcaa	agagtaagaa	ataatttgat	tagttccttt	tttggatgta	41880
ggctttgact	agaaacatag	cttgtattgc	tacttatcaa	aataaaatga	cagaaaatgt	41940
cctatagttt	tccaaatatt	cacaatacac	aacaattcag	gacataagtc	aattactgat	42000
atttccctcg	acaatttcag	gaataggaat	aaataagacc	agttgtgttt	gcattgggaa	42060
tatatgatta	tgaaagtggg	aattagatgc	tatcatgaat	ctgattattc	tattaggtga	42120
aaatgaatta	tcaattccta	tataaggtaa	ttgctccata	agaaacttta	ttaaaatttc	42180
taattacact	ttaattttta	ggtatacttt	aagaatccac	cctactccct	ggtgtagtgg	42240
aattattaaa	catatttgta	atattttcat	ggtagtattt	aatttccttt	agagctataa	42300
tacatagtaa	aacaaacagt	gtagtctgaa	atgagtgaat	agataatgat	gaaataagtg	42360

p11089.ST25.txt

aaaaatgcga	aaaattatgt	acatttcaat	ttccttttta	aaaaaat	ttt	attaggtatt	42420
ttcctcattt	acatttccaa	tgttatccca	aaagtccccc	ataccacccc	ccctactccc		42480
ctaccacccc	actccccctt	tttggccctg	gcatttcctt	gtactgaggc	atataaagtt		42540
tgcaagacca	atgggcctct	ctttccaatg	atggctgact	aggccatctt	ctgatacata		42600
tgcaagctaga	gacaagagct	ctgggggtact	gatttagttca	taatgttggt	ccacctatag		42660
ggttgcagtt	cccttttagct	ccttggttac	tttctctagc	tcctccttcc	tttctgcctc		42720
atctttcatt	cgtattttct	tattcaaaaca	ataggactaa	tttgtttgga	actcagttca		42780
acaaatgaat	acagttgcag	gtctgtgtat	gcaaggagta	aaatgaaatt	tacatttttaa		42840
ctacacttgt	gaggggatgt	gtttgaaaat	tcacatctct	atttgattat	tgggtgtcca		42900
cacacacaaa	tgagaaaacaa	tttaaataatg	ttatatgatt	tcctgtcatg	caaccttatg		42960
gagtgcgtac	tcagcttagc	ttggacactt	taagctttgt	tcagtaattg	tatgttatct		43020
gataagtctc	tgggggtagg	catgtgcttc	ctacttatgc	tacctagctt	ggaattaatc		43080
tatctgttat	acaaagtcta	aaatttacta	gaatatttca	tctttaatct	aattttataa		43140
caaagtgaag	gcagatacct	ttcaaaaatat	ctctgctcaa	actaacagaa	ttgcttatag		43200
tagcaatcat	ctgtccatgg	aggacagcca	ctgtaagatt	gacagagagg	tagttcttac		43260
atgttctgtt	agagctactt	catacctgct	actcaatcca	ctttgatagc	ctgatcttta		43320
tccccagggg	ctggtttata	tgccctat	ttt	gctcaagcat	atagaaagtg	tggctgggta	43380
agagggcagc	tctgtacttc	atggagtgtg	gcattatctc	tttcaccatg	ctgtatgagg		43440
tcaccacact	gctttgagca	ctgacat	ttt	tatccatgaa	atagaattgc	tgaatgaaat	43500
gagctcaaaa	tgttttgtat	ctcgattcag	tggcttgaaa	tttaggacag	ttgtttttca		43560
attatgcact	gccagacccc	tggcaactca	tttaaccttt	ctgaagaagc	gtttatcctc		43620
tgtaattggc	cagccaactg	cagagttgga	atgagaagga	aatgtagcag	caaaggcaaa		43680
caatcaaagt	gactgtggca	taattgtgat	at	tttttctat	aaagaatctg	atgtttctat	43740
ttatatcttt	ggtttagaca	tgtgattatt	gagatgactt	tttttttttt	tgggtgtgggt		43800
tggcttttatt	aagtggttta	acaccaaag	gaatacactt	gagagagggg	atctctttat		43860
tgggcttaat	aaattgagtc	acattctttg	tcttagtttt	tttttttcca	tgttgatctg		43920
attaaaatcc	tctgacttaa	gcaacttgaa	gtagaacagt	tttctttcac	acacagatca		43980
tggatacagt	acatcatggc	aggaagcag	aggcagcaga	aacatgaagc	gtcaagtcac		44040
ttacaaaaaa	aaaaaaccta	gtcaagtaca	gagagtgcg	attgctagca	attcagtcac		44100
ggcctttttt	atatataatt	caagatccta	gtctaggaca	tgggtgttact	cacagtggac		44160
tggttttccc	aattcagtta	tctaataaac	ataacctctc	acaggcattc	ccagaggcta		44220
atctcctagg	tgatcctaga	ttccatcaaa	tttacaattg	aagttagcaa	taacacctct		44280
gttacattga	attaaatttc	tcaaaaccaa	ttttattaaa	ggttttatta	aatgttatct		44340
tcattgtttta	attagaaagc	atcctgttca	aaggattttg	agaacactgg	tataaacaaa		44400

p11089.ST25.txt

gttttaaaat	ttatctttta	aattgaaaat	gccaaagtact	tagcattata	ttgcaagggc	44460
ataattatct	ttcttagtgt	ctcttcacac	cagatgcata	gagaataatt	ctaagtactc	44520
atggagcaca	tatacaagat	ggcctgagta	atgaccgttc	tcactctggt	ttccttgtct	44580
tagtaatagt	cttttttagat	cccagataaa	aggacactca	gaacaagtga	atgatctctc	44640
agcatttcat	atcacaaatct	atTTTTTgga	gacactTTTT	aaaacattct	tgaaagaagg	44700
acaagacat	aattcctgtg	ttccatgtaa	ggTTTTccat	caaatcatgg	aaaagattct	44760
gatagcctag	atgatgagag	tccagctaga	ccagctatga	aattctcctt	gctctcttct	44820
ctctttgtgg	tgagccagcc	tacacttcct	ttcaacacct	aatttggacc	cagataacct	44880
aggaatctgc	cattgcagtg	ttgaatctca	tgaactgagg	ttagtggtgg	aagggcacaa	44940
tgctctctgc	tgatgctcac	atgttgagca	tgtctgtgtc	acagggtaaa	aatgcagtga	45000
tagaagcatc	cctgagtaca	cacggtacac	tggcggaaaa	gcactgcaag	tatgcctctc	45060
cactcagtggt	atTTTTgtgtc	taagagttta	acagctctag	atttacatat	aagggttattt	45120
atcaaagcat	tggtaatgat	acatttctta	aatgctggaa	acttggcaat	agccactagg	45180
ctaaatacat	gatggcttat	cccctgtaat	aattatttca	acagaaaggt	acagaagagc	45240
aatgggtgac	ataatagggt	gttcttgctg	cattaagtga	aaatatgagg	ttatagaaca	45300
tattaaagtt	tgtaaacact	tttgttatta	aaaacaaaca	tgtcatgtga	tgtctgtgtg	45360
tatttctaag	cagtcttttc	atttaattac	aattagaaat	taaaggtaca	acattttatt	45420
ttacttgttt	gtccaaatcc	caactttaat	tgattttataa	aataatttta	cctatgtagg	45480
acattaatgc	agttattaat	atgactgtga	ccattgctgt	ttattcattt	acttagccac	45540
acatatatgt	gttggcctac	ctaattcata	ctatgtgttc	tactttgcac	caagtattat	45600
aactgtaggg	atgtagaagg	ttgatttcca	ggaccaggtt	cattgacatc	aatcatcttg	45660
tctcctccta	gtatgaaata	agacttgttt	tgTTTTcttt	gttttgTTTT	gttttgTTTT	45720
ttcgaagcag	ggtttctctg	tgtagccctg	gctgtcctgg	aactcactct	gtagaccagg	45780
ctggcctcaa	actcagcaat	ccacctgcct	ctgccttcca	agtgttgggg	ttaaagatgt	45840
gtgccaccac	tgcttggcga	aatcagattt	cttttgtgaa	gttctgaagc	ttttaatcat	45900
taaaaattcc	aacctggaat	agttctttta	tatattatta	ttattgataa	taattatcaa	45960
atcaatatga	aataccattt	cagcaattct	ctttcttggt	ggcttatgat	aattgcatgg	46020
cttatccaaa	taccagaaca	cacttgaaca	aaaaatttct	aagagcaaag	aattgtatta	46080
cctgagtggg	taatttaaatg	gctcatgtat	atttgacaag	aatttctgat	cttctgagcc	46140
ctgataatta	actggctttg	ctgattctta	tctttggact	ctgagagaga	gctatcctca	46200
tagtcagtat	atgctagggg	aacaaaacac	atgcaattga	gtaattcttg	aaaaacagaa	46260
tttacttatc	acattgtaaa	gctgggaact	cagagatcta	gacgagtttt	gtgtcctgga	46320
gaatctcatc	tttgttctga	gatgacatct	tgttactgtg	tcctggagga	gagcattttc	46380

p11089.ST25.txt

aaggtgaata	gaactgaagg	ggtaaaactg	cccccttgta	cagcacaaac	cccacatggt	46440
accattacct	gtaaagagcc	ctacctcaca	attgggacat	tagtgacgac	atttcaagta	46500
atgggttttg	gggatattca	ggtcataata	gctattatct	ttattttcat	gtaccattag	46560
aatgttagct	tcttcttttt	attaatatca	ttcacagtag	ggagaaatcc	ctgtattaaa	46620
taccattccc	tgtgtgcttg	ttatccactt	tggtaaagaca	cagaaagcca	caaaagcaca	46680
ctctggaact	ttgctttcgt	catttcactc	ccagtagtta	gacacatcca	tagtgatatg	46740
gtttattttta	caactgaaca	ggaatctcac	atgtcatgtg	ggagtttttt	taactataca	46800
tgcttgtatt	tgaaagcaac	atttaactgt	gcatttttct	ttggaaataa	caccttccaa	46860
aacaattttt	cccagctcaa	atcgaaacat	acacaatggt	tcctgtagta	attagaatat	46920
aagcaagaaa	atgaaactct	gaggtaggca	cagaaaaggt	ttcatgttcc	ttctgccttt	46980
attgccttta	actagtcata	caggatgcca	gtaaaaaaaa	aaaagtaa	tccttgaaaa	47040
ggaatacttt	agtttactta	atgacaagga	tgagagagac	agagacagaa	agagaacaca	47100
tatacacaca	actctctagc	tctctctctc	tctctctccc	tctctctctc	tctctctctc	47160
tctcacacac	acacacacac	acacacacac	acacacacac	acacactcag	aggatgtgta	47220
ttaaggacta	caaatgagat	tgtgctgctg	tgatgaatgg	gacagtgtga	ttttatcact	47280
ggactctgca	gttcagtgga	accctgtagg	tcctgctgaa	accctaggct	gcttaaattc	47340
ttcagcaatg	atactttcat	tgtacaaaga	gacatgtcaa	aacacatttg	cttttgtgat	47400
tctgagtatt	cacttctgaa	attaatcaat	gttcacacaag	gaaaactgtg	atttccttta	47460
tttatagctt	gtaataatct	agctagatat	ttctcatttg	gaggcatatc	ttcaatttta	47520
acaaatcatt	gtattacaaa	agcatattca	aaattcccaa	gaaatttacc	ctactgcact	47580
gtttgttctg	gttgaaaaca	ctgtaggtag	gtgtcttagt	cagtgttcta	ttactgtgaa	47640
gagtcattat	gaccatggca	agtgttataa	tgaaactctt	aaaactgggg	cttacttaca	47700
gattcagagg	cttagtccag	tgtcgttatg	gcagggtcca	tggcagcatg	cagatagcca	47760
tgggtgatgga	aaatagctga	gagttctgta	tccagggtctg	cagccagtag	gaagagagaa	47820
agccactgga	cctcgcttgg	gttactaaaa	cttcaaagct	ctctactagt	aacacttcct	47880
ccaataatgc	cacacctcct	aattctgtta	agtagtgtca	cttcctgatg	agtaaataat	47940
caaataataa	tatctataga	gctattctta	ttcaaaacat	agttagcaat	ttctctttgg	48000
tgggagagaa	tcaactgata	cgctatagca	caaccatggt	caatgctggt	acctgtatgt	48060
ccaaggcata	ttttgtgtgc	acttattcct	tcattcaaaa	cacacctgtg	gtatctggag	48120
gccagtgaga	attatgtgag	caagatgttt	gagagacaca	gtctttcacg	tctgtacttg	48180
cttgaccctc	atctaagtga	cgttgttaga	gaagtccaaa	gctggcgttg	tagcattctg	48240
ctgccacagg	tcatcatcca	caccttatcc	tactctattg	ggataattac	ttggaattaa	48300
aaccaatcta	atttgtaggg	gaattgggtta	tgcaaataat	cagcttagat	ttttctggat	48360
ttattcacag	tatttaatgt	gtaattattt	ctgccctcac	ttttacatgt	tcctttacca	48420

p11089.ST25.txt

gcattttaac	caaacctaa	g	acaggctgca	tgtgcacatg	ggcagggtttt	ttttgtgttt	48480
tgttttttgt	ttttgttttt	t	tttttctgca	atcagaacca	ttttttcttg	gaaaattaat	48540
ttcaaaatac	attcagtcag	a	aaaaaaaaagt	gcttataatg	tttgtctggt	gtttcacaag	48600
agctgccctc	atgtcctact	g	ctttacatat	ctatagtttc	catataaagt	ttcatttttct	48660
acgggctttt	catgttagtt	c	cttctaagtt	ttctctcaat	ttgaaatttg	ttttcctcaa	48720
tttcttttct	atgtgtttct	t	ttttggataa	ttgaaagaag	atgcacaatt	tcttaattct	48780
tatatattgaa	ataattgaaa	t	gtgtgttttaa	aagtcacac	tgttactata	acacagtttt	48840
ccacaagagt	tctatctttg	g	ttttttgtgc	atttcagtg	gcctggctga	tgttcagtg	48900
cctaggatgc	gctgaaatgc	t	tatggcatca	tttcatccag	ttatatattca	catgagctgg	48960
tagagataat	ccttttagtcg	g	ggacctattg	atgcctagat	ttttaacagt	gtcatacttt	49020
acctgtctta	gcatgttgtc	c	taagataca	agaatgatta	agatgtattc	ttagatccag	49080
gataatgagc	atagcatctc	c	catggaatac	ctctttctct	tattttctgt	tgaattccca	49140
tactaaattc	aaaaattaac	c	gaaaggtag	agtttctca	gtctgtctta	acacacgaca	49200
ttctgtgcag	tgctggtttc	t	ccctgtccac	agtggaatca	tctcaaactt	cttaactctt	49260
gggcagccat	gaagatgaag	g	ctaagacac	taaatcttcc	acaaatttat	cttgcctttc	49320
tgtctactct	cacttttact	g	ggcagtgcca	aatagaattg	aggttgttaa	gagtctgttg	49380
ttacttattt	aatagaagga	a	aaaagtaaaa	cagtattatt	gctacagagc	cttgatcaaa	49440
accaagactc	aaggaagtac	a	aatccttgt	acttccagta	agagcatctg	gcaaagagac	49500
ccaagatttt	ggcaccatcc	a	atatgctatg	tgataatgta	tgcatatggg	gtggttttta	49560
gaaattagaa	ttctaataa	g	ttttgtatag	tcaggctatg	taatgtcgct	ttctctagtg	49620
tcctgcagaa	agtgagagtg	c	cttcattag	gtacctgggc	aggaacaaat	tgcttcattc	49680
ttcagttatt	taataatgga	a	actttaaaaa	aacaaaaacc	caaaaacatg	ttttagaggt	49740
gtggtgataa	atgtcctagt	g	ccctgccata	taagagctta	gagattatag	acttgggtatt	49800
ctttcgaggg	ctagatattt	t	aatgcttta	tcctgacatt	tatcaaattg	cacttcggtt	49860
ggtgagtgtc	acattaccct	g	acaaattat	taacattata	aagaaaggac	tgtcaccaat	49920
gagtcaatat	aatttttata	g	tggttttata	aatttcatat	tttgataaac	ttaagggtgca	49980
tgggatattt	attaatttct	a	tttggtgtc	aacactaatg	ctacataaaa	tgtaatgtaa	50040
tttatttttg	caaatacatt	t	ttaaagtctg	taaaaaggac	ccaaatatac	tccaaatctc	50100
ataaatggta	agtgaccctg	a	aaagacaacc	tactgagatt	tagtgacttg	aaagtccatg	50160
tttgcatgac	tcatcagaag	t	actgtacct	caaagaattt	catcttaagt	catagaagtc	50220
tcatgaatat	agtcatatgt	a	tcgcaacat	gcggcctttt	actcaaaaat	cctaacagtt	50280
aacaaatcta	tatcctatga	a	aatatttaaa	ccagtagaaa	atgggtagtg	aaagatttat	50340
atcttgtcta	cgtagaagtc	a	aattttaaa	agtcacccat	taaaaatctt	agtttagcct	50400

p11089.ST25.txt

ggcgtggctg	tgcacacctc	taatccatag	cactcgggag	gcagaggcag	gtggatttct	50460
gagttcgagg	ccagcctggt	cttcagagtg	agttccagga	cagccagggc	tatacagaga	50520
aaccttgtct	caaaaacaaac	aaacaaacca	aaaaaaaaaa	aaaagaaaac	aaaacaaaaa	50580
tcttagttta	actactttga	tattccctgt	atttaacatt	ttgcctatca	gtagtatcta	50640
ttcattttct	tagtgcttga	ttggaacagc	aaagaaagtc	tatatgacag	ctagccacct	50700
gaaaagctca	ctatataact	gctggatgac	caaatctata	tcagagaggg	gtggttagga	50760
agagaaaccc	aagcattgca	tctgtataca	cagagcatgt	tttgtcattt	tggaatacag	50820
tttggatggt	tcttttcgtg	tttgtttggt	tgtttgtttt	tacaaagcta	actctgtata	50880
tgatccaaga	gtcaaaatca	ttgggtatttg	cttgcttgag	ttgaatacct	atgtttacat	50940
gtgaacctgc	aaataattgg	taccagcttt	atctgcagtc	caccaaacat	ggaagaagtc	51000
aagaactttt	ttaataagga	aacacaatgc	atccattttg	tggaatttta	ttcagtgatg	51060
attaaaattt	gagccatgat	agcacaaagg	cacatggagg	aaattaaaat	atatatgcca	51120
aatgaaataa	gacactcttt	agactatgaa	ccaaggatgt	gatgatatat	aaaaatgtga	51180
tcgttttgga	atgccaaaat	tctgaggaca	gtaagaaagc	aaagcaatag	ttgcaggggc	51240
ctctggagag	gtggaagact	gtgtggtcaa	acaacaggat	gggagtgggg	tacaactagg	51300
cagggaggtt	attatgacag	catggttttc	tatggtaggc	atttgctgac	tcatatataa	51360
caaggaggtg	ccaactgtga	tcttcagtga	tgttatctca	attctcatta	acaataggaa	51420
ctttcaagtt	cgtaactcag	taaggcaaga	taataacgtg	ggattgtaac	atctggaaaat	51480
cctctttatt	gctgtgtgat	tattctgccc	aaagtgtcta	taaaaacaat	gtatcagaag	51540
ggtgtaaaca	catgaaactc	aagaagaaca	aagaccaaag	tgtggacact	ttgcccctta	51600
aaattgggaa	caaaacaacc	atggaaggag	ttacagagac	aaagtttgga	gctgaggcaa	51660
aaggatggac	catctagaga	ctgccatacc	cggggatcca	tcccataatc	agcctccaaa	51720
cactgtcgcc	attacataca	ctagcaagat	tttgctgaaa	ggaccctgat	atagctgtct	51780
cttgtgagac	tatgccgggg	cctagcaaac	acagaagtga	atgctcacag	tcagctattg	51840
gatggatcac	agggccccc	atggaggagc	tagagaaagt	acccaaggag	ctaaagggtc	51900
tgcaacccta	taggtggaac	agcaatatga	actaaccagt	acccacacaga	gttcatgtct	51960
ctagctgcat	atgtatcaga	agatctagtc	ggccatcatt	ggaaagagag	gcccattggt	52020
cttgcaaact	ttatatgcct	cagtacaggg	gaacaccagg	gccaagaagt	gggagtggct	52080
gggtaggggg	gtggagggtga	gggtatgggg	gacttttggg	atagcattgg	aaatgtaaat	52140
gaggaaaaca	cctaataaaa	taaaagggtg	taaactcttg	agtatcgaaa	tttccagagt	52200
gctcagagcc	tcatttgtac	cctttaccat	cctatctcat	gctgttggtg	tcattgtggt	52260
aagagtataa	atgtaaatat	gtaggtttta	aatgtatggg	aaaatatattg	tatatcaaaa	52320
ataatctcat	tactacacag	gctggacgta	ggcctcctgc	acatatgtag	cagaaatgca	52380
gtttaatctt	catatgggtc	cctaactatt	agagtcaggg	ctaccccaaa	agctgatgcc	52440

p11089.ST25.txt

tgtaagtgga	atatgttctt	ctagctgggc	tgtcttgtct	ggcttcagt	ggagaggaag	52500
cacctagcca	tgaaaagact	tgagtgccag	ggtgaggagg	acatccaacc	actcagagga	52560
gaaggggtg	gggaggcttg	gacaagtgtt	gtgggagggg	attgcagtga	gcaggatata	52620
aaagtgaaca	agtaaaataa	taaatacaac	tgtaattttg	ttactacagc	gttcctcaaa	52680
taaagaggag	cagaacatgt	caaatgagta	ccttaaccac	ggaagactgg	tgggcatcag	52740
ctacatctgt	agctggagcc	tgagagaagt	gtttactctg	atagctccac	acaaaactga	52800
agcactggga	agagattttt	gtcttctccc	ttcagacttc	atgtaacctg	gatgcattca	52860
ataagtattt	gttgtggcat	tgttgagtag	tccctttata	ggcactgtaa	aggtttctta	52920
gtgacactga	tggtttaata	ctcaggttta	atgtccagtc	cctatatagt	cttaattgct	52980
tgtcttgctt	tggaggataa	cacatcttcc	tcaggctcag	actgcatctt	acttgcactt	53040
gcacttctac	agtattgatc	tcatttcaca	ggcacctata	atgcgtggac	tcatgaaatg	53100
atcccataac	taaaggagta	gccagacata	tatttctcct	tgcttgtttg	tttataacat	53160
tagacagggtg	aatgctacag	aaggatattg	ctgcccatgg	cctcagggca	tggcctcagg	53220
tcatgacctc	agggtcgact	gccttagggc	acctctgggt	gcccttgtag	cagtgtgtgt	53280
ttgcaaagcc	catgatgagc	cactccttat	tataaacacg	tatttcacat	gagaatgata	53340
agggtgagttt	ttaataatct	ttctaattaa	acaataaaag	gtatgaaagg	aactgaaatg	53400
tttagtgcac	gattactaca	aggctgtatg	cactaacatc	ccagtgtcta	gggccaagat	53460
ggagagaact	tagtaactat	ctacaatttt	tcttttctct	aaatattgcg	atatatactt	53520
tctctgtatt	tattataatc	cccgtaaaga	cagatggcct	gcacagatta	gacaacttca	53580
ttaagtgaca	aattgtggag	gttggttaata	aaagaacctt	acagcaacca	gttaatcagg	53640
agaggtcatc	ataaagagaa	ggaagagagc	tagggagagg	gatggatttg	gagaagggag	53700
gacaacagag	aggatcatgag	agcaggggaa	gcaaatagca	agccctgtgt	gaaaatggcc	53760
ttctgactgg	gcttgccatc	tgtgaaatgc	ctgcttacc	tgggcctggc	aggtagtagc	53820
ctaggactgt	ctggaaacag	attgcctcac	ctcatatgac	cttccccatg	ccctctttat	53880
ggtgcttcat	ttggccaatg	tcttataatt	gtgtagacat	gaagcagcat	ttagacatag	53940
agtactttat	gtaggacagg	tttctccaaa	gggactcttc	gagtgcacct	caatccatga	54000
gagagatgta	tttcccaaca	ttctctgcat	agaagctaag	gattctctgt	ccaacctcta	54060
gtgggtcagaa	tacatcctat	gattcagtca	actgtttaga	tgtaaatagt	gtaagtctca	54120
acaagcccca	gtgcagtcca	tatggttctt	ctctgggcat	ggcaggagta	ggtggttgcc	54180
agtgtctgaa	acataaaaca	ggtgaaaaca	gacctgcgga	gagacagcag	gaaaaataga	54240
agacagctcg	caagtacatc	tgggtggtgt	tatgagattt	attaaaattc	aacaaggagt	54300
gcttaacatt	tagcaaatga	agtttgtctt	taggaaaatc	cttgtgggat	ttatacaagg	54360
atctgttaat	aaagggcaca	tacaacactc	ataatacagt	cagacatggt	atgtaaaaca	54420

p11089.ST25.txt

ggacaagaaa	gtaataggat	aacagagtgt	ttgcacaagg	gattttgtga	tataacacat	54480
gattcttcag	ccttcgctct	gcacttttag	aggctgggat	ttgcatagtg	atgcagccac	54540
acgagacagt	aaccttgaca	tttttgcagc	tgtacatatt	tgcacacacc	aagacacata	54600
gtcttcctgt	ctagt tacta	tttgattctt	ttgttcatct	cttattttatt	accaaaagta	54660
gtgttcacaa	aactgtttct	cacaatttaa	gcttttaaat	catggtgtga	attacagaca	54720
ttttatccaa	gtttaccttt	ttcagcagaa	atgccatatg	ttctcaaaac	catttatcac	54780
tttattttaca	attctagcta	ggttgtttgc	ttaatat ttc	ttagcataca	ccacatatgt	54840
ttactttgat	actccatttc	tgcc tcaa	gg tcaaaaag	ttcaacttaa	tctttttcct	54900
caaataagca	tttctacctt	atccatcaat	aacgttgcaa	acagtatttt	actgtgatcc	54960
ataacacaaa	tcacagatgt	atttgagggt	tgtaattctg	cttctctctc	caatataatg	55020
aacctagggt	ctgtctttac	aactctgtct	tccatcattt	tcattcagaa	ggtttggtg	55080
agactttgca	tggagagtg	aggagaccat	caacttgtct	acctgcttgg	cctttccttc	55140
cagttaactc	ttagctgcct	ttgtccctag	ccacatcatt	tcctgtgaac	acagactttc	55200
ccaggtcctc	atgataaggc	agagtttctc	ttaagcttct	gcttttctcc	atcttcattg	55260
tgtgcattgt	gtgaccttct	gtcatttggt	tattcacgca	tttgaatgag	ctaattattg	55320
aagatccaag	atagtaccct	ttctaacaca	gtggctaata	agtacttctt	gttgatctct	55380
atagttttct	gcctaaggca	tttgtaattg	ggttgatatt	gctttctaac	ctttagaact	55440
gagatgcagt	tgtagcacac	acttaactga	tagatagggtc	aaatagggtt	ctacacacaa	55500
tctcaattgc	gacatagggt	aaataggctt	ctggccacca	cattacaaac	tacaaagaaa	55560
cctacttaat	ctatctacca	atggttgtat	gtggaatctg	tgtaagagta	tcaagaaatt	55620
ttatgttatt	taaaagacat	gtttctatgt	cttagacatc	cagtacactc	tttataacca	55680
cacctcacia	tttaacattt	gacacatttg	gagtctatca	atgtatcaac	tttatatgat	55740
gctgcaagat	agtgtaacca	tcttcttatg	cctattgtca	gcactgcaag	gtaccctctc	55800
taaatccttt	cattattaat	cttcttcatt	aatactttgg	tatatgatga	ttatgaaacc	55860
tttgcttggc	tattcaaaaa	aattaattaa	gcaagtagga	taaagttttc	agaagcagaa	55920
gtctaaaaag	aacaacagca	attgaggact	ggaagaggac	tcttggtata	caaagtgtgag	55980
gaattttaact	ctgaatcaca	cgagctaattg	tggactcagg	tatagcactg	tgtgtctgta	56040
ttcctagggtc	tctctcatat	gatggacata	ccatctttgt	tgtggctaga	gaaatggctc	56100
agtcttcagc	tccttgggta	ctttctctag	ctccttcttt	ggggggccct	gtgatccatc	56160
caatagctga	ctgtgagcat	ccacttctgt	gtttgccagg	cactggaata	acctcacaag	56220
agagagctat	ttcagggccc	tgtcagcaaa	atcttgctgg	catatgcaat	agattctggg	56280
tttggtgggt	gtatatggga	tgtatccctg	gatggggcag	tctctggatg	gtttttcctt	56340
ctgtcttagc	tccaaacttt	gtctctgtac	ctcctttcgt	gggtattttg	ttccccatta	56400
taagaaggac	caaaatatca	acactttgggt	ctttcttctt	cttgagtttc	atgtgttttg	56460

p11089.ST25.txt

caaattgtat	cttgggtatt	ttaagtttcc	aggctaattt	ccacttatca	gtgagtgc	56520
accatgtgtg	ttcttttgtg	actgggttac	ctcactcagg	atgatatacct	ccagatacat	56580
ccatttgcct	aagaatttca	taaattcatt	gtttttaatt	gctgagtagt	actccattgt	56640
gtaaattgtac	cacatttttt	gtatccattc	ctctgttgag	ggacatctgg	gttctttcca	56700
gcttcaggct	tttataaata	aggctgctat	gaacatagta	gagcatgtgt	ccttattata	56760
agttggaaca	tctttgaaat	gtaatgaaga	aaatatctaa	taaaaaagtt	ttggcaggta	56820
aaagaaaaag	gcttaattaa	taattcaata	atataccatg	gtcttaaaac	aaaacaaaac	56880
aaaacaaaac	caacaaaaaa	agaaacttag	aaagatttcc	tttcctaaag	ttgggatata	56940
tcttttccct	tttatccttt	caagtcacag	gagttgtagg	agtcactcca	agtatttgaa	57000
gacagagcaa	aattacttgt	ccagaggaca	tcttcatctg	tagattctgt	ggccatatag	57060
cacagaaaaa	agaaattcag	tgatgggtat	gtttataaag	actgagggtga	aagcaatctt	57120
gagaggatag	tgtgttgcca	ccttgtcaca	tgtttgatac	taagagcatg	tactgatcc	57180
aagtggtgac	attctaaatc	acagtgggtg	ttattattaa	ttctttctgt	gaggaaacaa	57240
aaaagctacc	agtggacatc	aagttgccct	cttcatattc	agaggatggg	gtgacttcct	57300
atcaatcaga	gaccactggt	agaggaatca	tgtccaccta	atggccaggc	tacttgatct	57360
ctatctcagc	ttcattagca	ggtttttttc	tctctctttt	tgacatgtgg	aactgtcata	57420
tgaaacagga	atgaagtggg	cacagcatta	gaaggtatac	agaccttgag	taagagctgt	57480
gtgcttgagc	attaaagtag	tcctgactcc	tgtcagaaga	cattctagaa	agtactggat	57540
tcaggcaggc	tacagacatt	gcctagcaac	tatttttttg	ccagcttgta	cttctgttaa	57600
caaattgatta	tttcctgagg	ccagaatttc	gtcccttcga	tagactatct	ctgaactttt	57660
tgtttttctt	tgtttcatag	ttcttgagta	tcactctgtc	ctctgaagtc	acttcttccc	57720
tagcagcagg	ccatcagcat	tgagtccctc	tcctgtttca	ttgccactaa	gtaaagttaa	57780
gatgaagaac	ccgtgtatac	tacccatcag	gtgtacatgc	acactgcttc	acttttctaaa	57840
agccagctcc	cctctgcagt	gacacctcct	ttacaccatc	actaagttct	tccccatac	57900
agggcctcag	agcttcttgt	aatatgaatt	aggaaggctt	aatactggca	aggatattaa	57960
gttcaactag	aggtggtaga	gaaatgaggg	tcttgagagt	ggattttttg	aatcatgagg	58020
ggcaaggaca	cagcattaag	tcttataata	aattttaaag	gattattttg	ggcttttctt	58080
gggaattaaa	cacaccctta	ataaaaattc	tcagggtgaaa	aaagaaattt	ttttcagatt	58140
aaagacttgg	taagtacata	ttagggagaa	gcacatttct	aacttaaaat	tcatgctttc	58200
gtcatgttac	attaggaaaac	acgattgggt	tgtatatcct	tatatctgtg	ctttcagttg	58260
aaactaacag	cattattgag	ggaaacaaag	aatttttttt	cctttactgc	tagcctatca	58320
aacctctcaa	tgaaatttta	tgcatagtac	agtaatcaag	agatttttgt	caatatttaa	58380
tacaatggat	agatgcagaa	attattgaaa	atccaaatta	ttattttgtg	aaccatggta	58440

p11089.ST25.txt

ccgatgttca	ggcctgcctt	catgcatttg	tgagaaat	tgacaagctg	ttgtgagtgt	58500
tcaccaaagg	gaacacactt	ttggcaggac	ccttgcattt	cctacatgga	cagaaaagtgt	58560
ttactgtgaa	acaactgttt	ctcgatgtgt	actgtcctct	cctaatttaa	gcataaacct	58620
cttttcttcc	tgaatgtaga	gttcagagaa	aggatttgtg	atgacccaaa	gtcttgactt	58680
aaagagatat	tttataaagc	agtgtctgtg	ctcataataa	aaagctgtaa	gatgctaaat	58740
gccaagcata	cagaaataag	acattgccag	ccatctgact	tttgcaactg	gatgatttaa	58800
aagaacattt	gttgatctca	agttgtcctt	agaccatcct	agttctaaca	agatccaaag	58860
tgaaatgtga	atgtctgcgt	ttggtttctg	atagggatgt	ttttttaaaa	aatattttta	58920
ttaggatatt	tcctcattta	catttccaat	gctatcccaa	aagtccccc	tactctcccc	58980
ccaactcccc	taccacacca	ctcccacttt	ttggccctgg	tgaaaaactg	attttcaa	59040
cattctggca	tgactttgaa	agcataacctg	ttcaacactt	tttccttggt	cttctacctg	59100
ccctttgata	tttctaacca	cccccatatt	ggtatgggga	tatgaaaaca	ttagtgcctg	59160
gtatctgaac	aggcctgctg	aacaggaaaa	aatgaaatta	agtcatgtaa	aggtgagtgt	59220
ccagaagcca	cagaagtagg	aaaggaaaga	aagaggtgtc	tgaacagtgc	tgaaagaagg	59280
tatggcttca	gactgtctgt	cacacaaaaa	attaatggaa	caaataataa	gtagaataat	59340
tttaacattg	tctggctttc	atagtgggtg	tgtgggttgg	attggctttc	tgactgatga	59400
gaaattttat	gttgtttgca	tagactagtc	ttctttccag	gggatacatg	ttgaaaggg	59460
tacgtcccat	catctacctt	gctacacaca	caacacacac	acacacagat	agagagagac	59520
agagacagag	agagacagag	agaaacagag	agacagagag	agacagagag	agagacagag	59580
agagagacag	agagaaagag	agagaggaag	aggaggagag	aggaagaagg	agagagatgg	59640
agtgagggag	gaagggcaag	agagagaagg	agagagaggg	gaaagggaga	gagtgtgtca	59700
atgaatagat	aaatgaggta	acatgtttat	gattagagat	tctgagcaat	gtgggtataa	59760
tgctccttaa	aaatattatt	gaaacttttc	tgtgggtttg	aattttgaat	taagtaaaac	59820
ttaaattaca	aaataagtat	gattcactga	atctcctata	aaaaaagatt	aattataata	59880
aagacaaagt	gggtgttttg	gaaagtggga	actttctaag	caaagaaatt	taggcagcca	59940
atttctctcc	tgctactggg	tactgcccta	tccaagagtg	tgtccatcat	tctgtcctgt	60000
gcttgtagta	gcgcatatca	tttgtttttc	cataccatga	gctctgattc	ataatctaag	60060
gaggctggaa	aaatgtcctg	ttgtgtacat	gtcagacaga	gaaaggagaa	cagatttttg	60120
gcagatcact	agaaagccac	aataagcccc	ctatgaagca	caatatgggg	tctgatacca	60180
gaacctttcc	tcaagaggag	agctgatcat	ctttcttttg	tttgaaactg	ggctaggaat	60240
ttaacaagaa	gataccgttc	tgtcagttag	atcacaaaag	gtgaatgtgt	gaaaaataat	60300
aatgcctatt	caaaactagt	acaatttaaa	taaaatggaa	cattctaaag	tacaatttag	60360
caataaattg	ctgtaggcag	gctgaaactc	atcattaaat	acatcatgtc	aaggagaaaa	60420
agatgagttg	cagaaatagt	aattgctaaa	acagttaccc	cccttttttg	tttaaagata	60480

p11089.ST25.txt

tttataacttg	tcaacattca	agattgtaat	tttaaaacca	cagtaagaaa	acatgttatt	60540
aatgaaagtg	ttgcattttt	tcacaggcag	caatctgac	accttggttg	ctctgtacag	60600
aactgacctg	gccatgtatc	tagccatgac	cagaatacaa	ggatgcccac	ttgtgctgca	60660
gattttccacc	cactcacatc	caattcctcc	tcacatagtt	ttactagtgg	catatttctga	60720
ggccagactt	cctcttggct	agaacataac	cctttaaaca	aatctatatg	ctatttcta	60780
ggaaatatct	tcaggcattg	ccctactggg	catagattca	agtcagcttg	tgggccagct	60840
tgaacttggc	ttcttgtatg	tggtttgcct	ctagaagcat	ctactgccag	caggacactg	60900
gcagcctttg	tgaatgtaag	ctcagaactt	tcttccaata	tacgttatct	tttatttgaa	60960
atagtttttg	gacttatgaa	ggaaatcaaa	attattatgt	gggtaagtaa	attatatgaa	61020
gaagactcag	ttaagtgtct	atggtgactt	atcccttact	tttcaataaa	ctttttagat	61080
tccttttcac	ccaggccttt	tgtcgctacg	tcgtgagcca	agtgttcata	gactagtttt	61140
taatagacta	tcaaacacaa	ctgtgacatt	atgtagaagt	aaaggcagga	ggacttgggt	61200
tttaggtaaa	ctggaatata	cagtaagttt	aaggccaaca	aagactacat	ggtgaggtcc	61260
tggaggtcct	gtctccagag	aacaaaaagc	aaaaacaata	gcaaaaaaaaa	aaatcccaaa	61320
aacaacaaaa	aatacaagga	aagagattta	acattatcat	atcatctaac	ttttggcatg	61380
gtagcaacat	aatagtagta	gctctactat	agtctgttac	ccatcactgc	ttgtgatttt	61440
acaagatcca	caagtatata	caagatgaag	ttcacagatg	caactgcacc	aaccacaagc	61500
actttgggta	gaatatggca	gtatcctagc	agggagaatt	tatgctcagg	cagctaacaa	61560
gtgattaaat	ccaagtctgc	ttttgctctc	ctgcaatgca	gtgaggaaat	cagatagccc	61620
ctttgccctc	tgtttatttt	gaattaaact	ttatccactc	aattttttaa	aattttactag	61680
attaattaat	gttttatata	ttataaatac	agttttgttg	gacatctttc	ctaatacttt	61740
aactggctct	tgggaaaatt	tatagtaa	aatagaagta	caaaattgcc	actcaaagta	61800
ttgtaaattc	ccaatggata	aattcatgtt	tagtaa	atcatttt	atatttgttc	61860
actttttcat	tttcacgata	tttttttcta	aataagtgcc	tgtcaggtca	tgaaaatgcc	61920
agtaaaatct	catgaaatca	tttatccata	aacaatcttt	tgatgttagt	gggctagtgt	61980
attctatcaa	aggaatttag	agattatcag	tagcacacag	ttttagaatt	ctagggctctg	62040
attgtgttac	acctcctgtt	agagtctagt	tatagcagaa	tagttgctgt	caatatcttg	62100
ttgctgcca	tatcttgtaa	ggcagtgtgt	ttactgggtg	gaaacatgta	aatctaacca	62160
ctttataagc	agtaatagtt	tttatagttt	gaccgttatt	aattttttat	taataaaaata	62220
tataacactt	tcaatttcag	ttatatatat	atatattcag	tcctctttta	tacatcataa	62280
cacttgtcaa	tagctatgat	ttatttatta	tattgtgtgt	atgagagtac	cagtatgttc	62340
attacatgtg	tgtatgatcc	ctgcagaggc	cagaagaggg	tgtcagatcc	cagggaacta	62400
gagttgcaga	aggttgtgga	ccacagtgtg	ggttttggga	acagaactca	gattcttgcc	62460

p11089.ST25.txt

aggagcatca	agtgatttca	taactgctta	gccatctgtg	tagccttggt	ttttctattt	62520
tttgaggtat	gatgtgtttc	aaaatacagt	atctaaatct	gtagtccagg	atagcttgag	62580
attcactata	caggcttccc	cctagactca	agcaaatagt	attggtttta	actaagctac	62640
atttaaaaaa	tccatttgcc	agtgtgtttt	agttgaacat	atagacttac	ttgaagcagt	62700
ccctagacac	agatcagttc	atgggtcaat	tccaagatgg	gtctcatatg	gtgtatgata	62760
aaaggaaagc	agtacaagaa	atccatctga	tctttggagg	cttgtagaaa	ggttaacttg	62820
acatcttata	ccaccttctg	gtgcaggtag	gtaactgaca	cagtgatatg	atgactgggc	62880
atgatggacc	cagaaagaga	aagctagata	atagcatgat	gtcccttcag	aagagcagct	62940
tgtttcatac	aaaacaatga	aaaaattatc	acctgttgat	ggagaaatgg	ctcatcattt	63000
acgatgactt	gctcttcctg	caatgaacct	ggcctcagtt	cccagcacc	acatggtgat	63060
tcacaactgt	ttgtaactac	agttctaggg	atactacatc	ctcttctgat	ctctatggtc	63120
attagggcatg	tgcatacac	agagacacac	aatcagggca	aaacataatac	atacataaaa	63180
ggaaaataaa	ctttttttca	cattgaaaaa	atatttacct	catccccact	tgtacaagaa	63240
atatgtgtcc	aataccattt	gtattgtaga	attttatact	gtttccctat	actgtcttat	63300
acaagtaaaa	cctaaactag	ataatctgat	aatcttattt	tatatatttg	aaattctttt	63360
tagattgaat	ctctgttttc	agattaaaa	gagtaactac	acatatattc	caaacaaaat	63420
aatttgtaaa	agaagcatga	ttatttttaa	gttttataat	tgagtaaata	gcattgactc	63480
tgaatgagtt	attaaagttt	ttcttaattc	tcattttattg	ggaaggaacc	atcaaagaaa	63540
cgttttactt	tacactcatg	gcagtttttt	gattagaaaa	taattttctta	ttacatatca	63600
aatttcctaat	attttgtgca	agcttcaaaa	gatgccaatg	aaatttccag	aacaagagtt	63660
cagaaacaac	tgtctacatt	caggtaggat	gcacactggt	ctttatgttc	agtttttatct	63720
ctagatccag	atgaactgaa	ttacagtcag	tcaactagac	agggaaaatg	agcatctgca	63780
cagctctagc	tttggtgat	ggagccaact	tactacatag	cttcctgtgt	tgtggtatca	63840
tcaaatattt	aacttctgtg	atatttcttt	gcctgttgcg	taagttaaac	caacaaaaac	63900
acatttccca	ttgcccatcc	caacatgtaa	tagcagcaat	tatttaaaaa	tcatagtcat	63960
ttgctcttta	tgtctacaag	acaatacttg	ttagtacatt	caatataaat	gttttctttc	64020
acaccaaggc	agtttcctga	ttcattagag	ggaattttgt	atctgagcag	aggaactctc	64080
atgttccccg	ctttcccttg	ttataacatt	ctgagctcca	tgaccatgta	ttattccagc	64140
tccatgtttg	gacacgggtg	aaggaagcat	atcacatggt	cttcctaaga	gacttagact	64200
aagtatgcaa	aagacccaaa	attttcgaag	gtccaagtcc	ctatctgttc	ataagctcat	64260
ccctagtcac	tcattgcttc	agctgctgtt	tttgaccag	tattgagtca	acttcacatg	64320
cagtttctcc	ctttctacca	tgaccatttg	tacatcctct	ttgtttcatg	gtttaatcct	64380
gcaaaagtat	atatttactt	ttgtttggcc	taatcttgac	cataacctag	attgtacttt	64440
agacttctta	ctctttaaaa	ttttaaaatg	tgcagcataa	ataattttct	cctactttga	64500

p11089.ST25.txt

ttaatccaaa	aactattttcc	aaggtcatta	taaaagggtcc	caaattatga	gttccaatat	64560
tatggtcagt	agacctat	gtgctctata	acagtgttat	ataatatttt	aataggaata	64620
ttagaacgga	aatgggcctc	atgtgaacaa	tgtgttttat	attactccct	tccccattta	64680
tcatgcctgg	tatatgtgag	tatgtatgta	tgtatgtatg	tatgtatgta	tgtatgtgtg	64740
tattttttat	gtattgttat	gtatatacaa	gtgatataata	tatatataat	atatatgtgt	64800
gtgtatatat	acctttatgt	atgtatatac	acacacacac	acatatatat	atacatcac	64860
acatatatat	atatgtatat	atatatgtgt	atgtatatat	atatactgtg	tgtgcattca	64920
gggtgcatttg	tgtgtggagg	catctatgtc	tttggcaatg	attctcatag	aattttttga	64980
aacattgtct	ctcactgaat	ttggaattac	tgtttcagct	agactggctg	gcccttgaac	65040
ttcttcaaag	ccccctgcac	tgggtttata	aacacatcta	tgccagcttt	tggttgtatg	65100
gtaggtatac	aagttcat	cctccttctc	ttcagcaaac	actttacca	ttcttcataa	65160
ttcctatgct	ctaagccaag	atattttttt	cttaatgtgt	ccaccatggc	aaaggctcag	65220
aattataaat	gtgtttctcc	aaaaccctca	gttaagaata	tggctgccta	attatgcatt	65280
taactaatag	gcttctgaaa	ttaataacca	atataatata	gtggttcact	aagacaaata	65340
tttgtagatt	ttaataaagg	caggtaatga	agctaaagtt	aaagaaaacc	ttcaatacta	65400
tttatcactg	tttgtgaaca	aaatatgatg	aaaatatatt	gcccataaca	taacactgcc	65460
ttaactatat	ccatcttgac	tcaaagagat	agaaatccgt	tctgtcactc	acagtatatg	65520
tttgcagatg	aatgctagaa	ctgatcacag	atgggaaact	agggtgtgcat	tgcaggggct	65580
cagggtatagg	tcacaactct	atcagtctct	gaacatcatg	acacaggtag	gaagaccagg	65640
aagaaatgtg	ttttgtttca	ggcctctata	atgaaaagtg	aatgtgaaaa	ctcaaaaactt	65700
caccttgaaa	agcctctgta	tatcttatat	gtttttccca	tttcttggtg	aataggtaga	65760
atacagggaa	caaaaaccac	tgctctcatc	ccagtatcag	cccagactct	tttcccagta	65820
cctcatctca	cagatatatt	tccattcctt	cctccccctt	tcctctgaga	atagggagcc	65880
ccacttctcc	ctataacctt	acccccaacc	cctggcacat	caaatcacag	cagggtccatg	65940
taaatcccat	cccactgagg	ccagataagg	cagctcagct	aggggagcag	gatccacagg	66000
caggcaacag	agtcaggggc	agcccctgtt	caaaccatt	ctcattccta	gtaatgctgt	66060
cctagcacta	tgctgatgac	tggaccaaac	atacaatttt	tgttcttact	tgactcttac	66120
aacttcaaaa	attaacagtg	taaatttcca	gttagctttt	gatttttaaga	caagctaatt	66180
agtgaagaat	taggcacaga	aatctacata	ataaaataat	tacagaaaaa	gaaagtatct	66240
aaggtcagca	ttagtatggc	atcttatatt	ctgtctgtca	tggggaaaca	agcaattcca	66300
tatggatcgt	agaggtcaga	aagaggcact	gctgatccca	cactgctgtt	ctatctagca	66360
caagcagcaa	gagactctcc	aaagcccagt	aagcaaaagc	gccctgctta	tggttgctcc	66420
actaatgcag	ggaatttcaa	atgatggatg	aattaaaaaa	tttgaaagag	gttccgcctg	66480

p11089.ST25.txt

acagccactc	atctgtgata	tatcctttgc	tgtcacgatg	attagccatc	tgttcctttt	66540
ctagatctta	cccatccact	atcattacca	tccaccatca	ctatctacta	ctaaaaccat	66600
taaagcacat	ttaaagatgt	gaggtctagg	aatggatatct	ttaaggtagc	atatatgtcc	66660
agtgtggtag	cacgtgctca	ggatagggtcc	tgagttctat	cctccagcac	catcaaacca	66720
caaagataa	aaaatgaaga	tgtatgaact	atatacttta	ttagcttcta	tctattacta	66780
gcaatacaat	gtcacactcc	atggcagtg	aaggaaggag	ataccaggca	tgccacttga	66840
caagttttta	gacttgtgac	tggttttcagg	ttatgttcac	aaaagacaca	tggaaggaa	66900
aagtagttaa	atttgtgtgt	ttggatggat	ttactttgag	gactgtggtt	atgaagcact	66960
tgtttctaga	ttatttcctt	ttatccaaag	tagaaggag	ttaaaattgt	ctacgttagt	67020
agtttctaac	ctgtacctgt	ggattgcaac	ccctttgtgg	tcacatatca	gatattctaca	67080
ttatgattca	taacagtagc	aacattacag	taatgaagta	gcaacaaaag	aatccttatgg	67140
ttgggggtca	tcacagcatg	aggaaactgta	ttaaagagtt	gcagcatgag	gaagggtgag	67200
aaccagtgg	ttaaagtcag	tgtacagtcc	caatttgaag	cagcacagat	gcaagtgtc	67260
ttgggtaact	tctacatggt	tggttttactg	tagttactga	tctaactgtg	aaaagtgggtc	67320
agcctgttgc	agactgaatc	tgaatagaaa	tcacaatttt	gcataactctt	ggtttcataa	67380
ttcctttatg	cacatccttc	tgagaccctg	gttggtactac	actactacca	cttgggccta	67440
gagccccctt	cactgtgaaa	gaatgattgt	atccttgggg	agctataaag	attatgactt	67500
tgtgaattaa	tctcaaata	gggagccaca	ggacttccaa	ctttattttc	aaatatgtgt	67560
gaactcccct	gtgagatggt	ttatcgaagc	ctttgggagg	tgagccatc	tgattgacca	67620
gttatcttat	ttgcaattga	ctcttttatt	ttatatgaag	ctctgtttgc	taagaaggac	67680
aattcaatca	gcagtcactc	atagaactac	tcagttgatg	taatgaataa	agagacatta	67740
gggtcagtga	aatgactcag	tggttaaaga	aacattctgc	caagtctgct	gacccagggt	67800
tgatacccta	ggatcgacat	agttgaagga	aggaaacta	ttccaccagt	tgtactttga	67860
cctccccatt	ctcacttttag	cacatatgca	tgccataact	aaataaatgc	aaagtttaag	67920
agaaacacca	agacttattc	aacaaattta	ataacttatt	agaatactca	agtacacagt	67980
caaagaaaga	agttatatta	tggattaata	gcaaaacaca	tactgagtgt	taaaaattat	68040
atactggagg	agaatgggga	agggtagatt	gagagctaga	catatacaac	agagtgaact	68100
ttcatctggc	ccttcaaaat	tcttagtatg	aaaaggaata	gggacttgca	actgaaaaga	68160
actctaattg	caattcataa	aaactttagg	gtagaattta	gaagaggga	ttaaaatttt	68220
aagtctacaa	tcaattcata	caacaatctc	tttatataac	agtgtttttt	gtacactgaa	68280
tactgtgcaa	atattttgta	aaaggatatca	agaactattc	tgtaaacagt	ggcttgcata	68340
taatcagaca	agatggcata	catactctac	ataacgcaca	tttgataaaa	acataaataa	68400
attgtaaaaa	caatagccta	cacactatat	ttttaagta	gcattttctt	atttttgtaa	68460
taaataagat	ttttgagatt	tagcttattt	agccaactaa	tcattgacct	ttttataagc	68520

p11089.ST25.txt

agatgtagta	attctttaaag	ttcccaatta	aaataaaatg	caaagttttt	gctattgggt	68580
ttgatacact	gactccaaac	catatggtag	tataaagata	tttcttgaaa	actctgaaat	68640
cttttcattg	tcttctctta	gaattgtttt	atgactgttc	ttctttaaca	gtgtagatga	68700
atgaatgaac	atccaaaatg	aatagaccaa	gcagcccgtg	ttagaaaatt	cattagtttt	68760
actggattcc	actgaggact	ggacaataag	tggcaaaaca	tatgaatgca	gttctgtgga	68820
agcttcctca	ggattttaaat	aaattcaagc	aacacacaca	cacacacaca	cacacacaca	68880
cacacacaca	cacacacttg	tgtacaggga	ggagagccat	tgtattagaa	aatgcaacct	68940
ggatggccat	caggggtgtga	atgtcagcta	ccacaaaata	tatcagactc	aaagctgaac	69000
aggcaccagt	actttttatg	gagaagaacc	aggatggcct	caaactcacg	attaccctgc	69060
tcctcctccg	gaacactggg	attataagta	tacgccacca	catttggtga	aagaaaggac	69120
ttgttttgaa	tttctgtatg	aatgaagttt	caaagaatg	caattaagta	cgagatcaaa	69180
tttagaagaa	agattttgatc	taaaaaatac	aactaaatga	gaaaagggtg	ataggaaaaa	69240
gcacagtatg	cattctttat	tgtgttgctt	tcacgatgtc	aaaaacaaat	taaataggct	69300
agtaaaatgg	aaaggccatg	aacaaatggt	ccttgtagta	tagaatatac	tagactatct	69360
cttctatata	aattgattta	aaattaatga	caaacttggt	ttcaattcaa	ccagctcatt	69420
ctaaaaagtt	gaaatataca	tatgtgtgtt	tgtgtgtgtg	caaatagaata	tataatgtat	69480
ataatgtaca	atgtgcatat	acattgtata	catatatatg	ttagaatgat	gggtgtaatc	69540
atgtatttat	atttttgaat	aaattctaaa	cataaccaa	ttccagaaca	acttagcagt	69600
actaagaatt	actgattaca	ttaaagttaa	tttataatca	atacacaaag	atattaatgc	69660
atgtaattct	atcagtatct	atgtttctga	tgttataatg	ccaatgttta	tttcacatac	69720
gtttgaatat	tgtttaatat	tatacatatt	ctaaatatag	taccaaataga	tatttttatt	69780
tacattaatg	agaaaatgta	agtcctgggt	aaattctgtg	aaaaaagtta	tgtatcagt	69840
aaaaatggta	tggacaact	ttctttcagc	tccaaaaatg	gcaatacttt	tccctttatt	69900
caataaagag	tatttttaag	tagaaaagt	aaaaaaaaa	aacgggattc	tagtcagaca	69960
actcgaaata	tatgggtcag	agtaacagta	tctctggaat	gcaggcttaa	aacctgacta	70020
agatcagaga	cttgagtacc	atacagggtt	ttatgtgtgt	attgtctgat	aatggcaaaa	70080
gaagatgggt	ttaaaaatga	ctgattcata	agcaagtcaa	cattaagtga	aacttgaatg	70140
gaaatttagt	tttctagtaa	taagcattta	gataataagg	agtccttat	tattattaga	70200
tattaagctg	gtacccccctg	tgccttggct	atgactctga	aatgaataga	atgaagttac	70260
agttaacaga	gatgcagagg	cagacacttc	cctgtgctac	ctaaacaggt	acttagtgta	70320
ctttgaacct	tatttctgac	aggtctgaga	tgtaaaagga	gggaaaccag	tgagcccagt	70380
gattctagcg	ttgccgtgaa	ctgctcagag	gtagtttgtc	attgcacaga	gctgttctca	70440
taatagttat	gatcccaagc	cttaaattgt	tgggaactat	gttactgttt	atttgttgtt	70500

p11089.ST25.txt

gttttttttt	ttttcctcta	ccctctgggt	aaaatataat	tttgatgcat	cagcatagtt	70560
atgaagggga	cttactagca	agtgcctttt	aacactgata	tttgggctct	ctggattcta	70620
tgaaagtcac	gtctccttaa	ctactttatc	tcctgcactg	cgccctcccc	cccatatcca	70680
cagagcatct	gaatgggtcac	tcgtggccat	gctccagagg	tgagtgatgt	acacacgggt	70740
ggagaatcca	atttaaaata	gcatgagaat	gtagaagaga	caaaggagca	ctgcaggagc	70800
atgtgcagat	ataagtgtctg	gaagtcccca	gactgccttc	tccagacttt	ctcagctcct	70860
gggtgtgctg	cccactctgc	tgccctgggc	cttaccttaa	ccagctccct	tatatgtctt	70920
catgttttat	ccttcactaa	gtctctttct	ctctggttct	ggatgcttag	atgttcttcc	70980
atttggttcc	atgtcatatg	gtcatttctg	tttctgcagc	agctaaactg	ttggataatg	71040
gtttgcagg	ctgactccca	agtaccactg	tgagctcatt	aacaatggct	gccatctcct	71100
tgtatcctct	gcactatacc	agcagatgaa	gttggaccat	gggctgtatt	ccatggtgaa	71160
tgagtgtctt	gtgctgggtg	gaaccctata	gcaatagaca	atgtgaatac	attgacagt	71220
ttttgttggt	gttgctgctg	ttgctgttgt	tggtgttggt	gttggtgttt	ttggcaagat	71280
actcacttca	gggttttaag	aacatgaccc	aacctgttaa	aaatcaataa	attcagacag	71340
aggatttttt	agttaagagt	taaggtagaa	atgagagatc	actgaagggt	ttaagcagac	71400
tgtaaggtaa	gaaggggaaga	aagttcccaa	agtatatgct	aggagctagg	gctccagtgt	71460
aaaggatggc	taaacgtggg	tctgttttaa	ggggtgtaca	aacatatttg	ggctaagaag	71520
gccaatattt	tactttcgaa	tgagggaaaa	tgcttgtgac	ttaacagggt	gcctgttcaa	71580
tgaactaaaa	aaatgtaaac	tcttactcca	taatctcttt	aatatctcac	ttttgccaaa	71640
ggaatctaac	cttattgcc	ccaaatccca	ctgaactcct	agacgagcaa	aaaaaaaaaa	71700
aaaaaaaaaa	aaaggggggg	gggagttcta	ccaatcccca	tgacattctg	caattttcta	71760
attatagatt	gaaaaagagg	gttgaattca	tttcatggga	cattcactgt	gtgtccctac	71820
aggatgtgta	gccataattg	accacacacat	gtgggtgtgtg	atatttgatc	agggatccta	71880
ggctggaaaag	acagctcagt	aggtaccttg	caaacacaag	gatttggtatc	cacagaactc	71940
aattttaaaa	agctgggtcat	gataacacac	atgagtgatc	cccgtcttaa	aagacaagga	72000
tagtaagatg	tctgggtttc	ttggctaacc	agcacaacct	acttggcaga	ttccaaacct	72060
gctagagata	ttgttgga	gaaagtctc	aacagaatct	gaggaacaac	accagaaaca	72120
gtctacatgt	ctacacacac	ctatcatccc	cccacatcca	catatacaca	tgtacatgta	72180
tacctataga	taaacattac	cctccccac	acttgaaaat	acacatatac	acaacattca	72240
ttttaagac	acaggctaca	gttttactg	tcttgggcat	tgctcattct	ttttgttaa	72300
gaaactgcca	atgccattcc	ccttgcta	aaatgttata	aactgtgggc	acattatgct	72360
gcagtagaaa	tgccagagac	tcttcctttc	tactagtatt	ctgatgtgtt	tattcagctt	72420
cctccacct	cctctatccc	tgtttaccct	tcatagtgtc	tcatgacagc	tttctactct	72480
ctatatcttt	gaaataaaga	ctttaccaac	attttaataa	ttttttcat	ttgccgtttt	72540

p11089.ST25.txt

tat tttttatc	tttttaaaat	tattattagt	tat ttttcctc	gtttacattt	tcaatgctat	72600
cccaaaggtc	ccccataccc	acccccccaa	tcccctaccc	accactccc	cctttttggc	72660
cctggtgttc	ccctgtagtg	gggcatataa	agtttgcaag	tccaatgggc	ctctctttgc	72720
agtgatggcc	gactaggcca	tcttttgata	catatgcagc	taaagacaag	agctccccgg	72780
tactggttag	ttcatattgt	tgttccacct	atagggttgc	agttcccttt	agctccttgg	72840
gtaaattctc	tagctcctcc	attggggggc	gtgtgaccca	tccaatagct	gactgtgatc	72900
atccgcttct	gtgtttgcta	ggccccggca	tagtctcaca	agagagagct	atatctgggt	72960
cctttcagca	aaatcttgct	agtgtatgca	atgggtgtcag	catttggaag	ctgattatgg	73020
gatggatccc	tgcatatggc	aatcactaga	tgggtccatcc	tttcgtcaca	gctccaaatt	73080
ttgtctctgt	aactccttcc	atgggtgttt	tgttcccatt	tctaggaagg	ggtaaagtgt	73140
ccacactttg	gtcttccttc	ttcttgaatt	tcatgcgttt	ggcaagttgt	atcttaagtc	73200
ttgggtatcc	taagtttctg	ggctaatatc	cacttatcag	tgagtacata	ttgtgcgagt	73260
tccgttgtga	ttgggttact	tcactcagga	tgataccctc	caggtccatc	catttgccta	73320
ggaatttcat	aaattcattc	tttttaatag	ctgagtagta	ttccattgtg	taaatgtacc	73380
acattttctg	tatccattcc	tctgttgagg	agcatctggg	ctctttccag	cttctggcta	73440
ttataaacia	ggctgctatg	aacatagtag	agcatgtgtt	cttattacct	gttgggatat	73500
cttctggata	tatgcccagg	agaggtattg	tgggatcctc	cggtagtact	atgtccaatt	73560
ttctgaggaa	ccgccagact	gatttccaga	gtggttgtac	aagcttgcaa	ttccaccaac	73620
aatggaggag	tgttccccct	tctccacatc	ctggccagca	tctgctgtca	cttgagtttt	73680
tgatcttagc	cattctgact	ggagtgaagt	ggaatctcag	tgttgctttg	atttgcattt	73740
tcctgatgat	taaggggtgt	gtgactctaa	ctaaggaagt	gaaagatctg	tatgataaga	73800
acttcaagtc	tctaaagaaa	gaaattaaag	aagatctcag	aagatggaaa	gatcacccat	73860
gctcatggat	tggcaggatc	aacattgtaa	aaacggctat	cttgccgaaa	gcaatctata	73920
gattcaatgc	aatccccatc	aaaattccaa	ctcaattctt	caacgaatta	gaaagggcaa	73980
ttggcagatt	catctggaat	aacaaaaaac	agaggatagc	aaaaagtctt	ctcaatgata	74040
aaagaacctc	tgggtggaatc	accatgccag	acctaaaact	gtactacaga	gcaattgtga	74100
tcaaaaactgc	atggtactgg	tatagtgcac	gacaagtaga	ccaatggaac	agaattgaag	74160
accagagatg	gaatccacac	acctatgggtc	acttgatctt	tgacaaggga	gctaaaacca	74220
tgcagtggaa	aaaagacagc	at ttttcaaca	attgggtgctg	gcacaactgg	cggttatcat	74280
gtagaagaat	gcgaattgat	ccatttctat	ctccttgtag	taaggtcaaa	tctaagtggg	74340
ttaaggaact	ccacataaaa	ccagagacac	tgaaactcat	agaggagaaa	gtagggaaaa	74400
acctcgaaga	tatgggtata	ggggaaaaat	tcctgaatag	aacagcaatg	gcttgtgctg	74460
taagatcaag	aattgataaa	tgggacctca	taaaattgca	aagcttctgc	aaagcaaaag	74520

p11089.ST25.txt

acaccgtcaa	taggacaaaa	agaccaccaa	cagattggga	agggatcttt	aaaactgtac	74580
tacagagcaa	ttgtgatcaa	aactgcatgg	tactggtata	gtgacagaca	agtagaccaa	74640
tggaacagaa	ttgaagaccc	agagatgaat	ccacacacct	atggtcactt	gatctttgac	74700
aagggagcta	aaaccatgca	gtggaaaaaa	gacagcattt	tcaacaaatg	gtgatggcac	74760
aactggcggt	tatcatgtag	aagaatgtga	attgatccat	ttctgtctcc	ttgtactaag	74820
gtcaaattcta	agtggattaa	tgaactccac	ataaaaccag	agacactgaa	actcatagag	74880
gagaaagtag	gtaaaaacct	cgaagatatg	ggtacagggg	aaaaattcct	gaatagaaca	74940
gcaatggctt	gtgctgtaag	atcaagaatt	gataaatggg	acatcataaa	attgcaaagt	75000
ttctgcaaag	caaaagacac	cgtcaatagg	acaaaaagac	caccaacaga	ttgggaaggg	75060
atctttacct	atcccaaatt	ggatagggga	ctaatatcca	atatatataa	agaactcaag	75120
aaggtggact	ccagaaaatc	aaataatccc	attaaaaatg	gggctcagag	ctgaacaaag	75180
aattctcacc	tgaggaatac	cgaatggcag	agaagcacct	gaaaaaatgt	tcaacatttt	75240
aataatttta	atacagtcac	ttattgtaac	aaccatttca	aaaacacttg	tttccttaga	75300
atgaaaattt	taactagata	aatgtggtta	tccatgaaaa	tattaaagaa	tatacaatat	75360
acattatatt	attgtatata	taatatggta	tagcacatga	tataacacac	acacacacac	75420
acacacacac	actttacaaa	aatgttaaaa	aataatacca	cacagaatgt	tgtgagaaaa	75480
tagcattagt	gtctgactca	tcttctcata	cttttagaaa	taaaattaaa	gttcttcaca	75540
ctttgtgtaa	agcccaaaag	gttcagccct	aaggaaaact	tgaaatttgg	gtgttaaata	75600
agccaccagt	ctaaaagttg	gacatttctg	aattaaggct	catgcctcat	ttccaccaag	75660
tgctgcttca	aaacaaaaca	gtgataatgg	ccacaaaaaa	cctctggcaa	ctctaattta	75720
aggtgacgta	tactgatgaa	tgatttattt	atcttagaag	tgccaatatt	tcactctttt	75780
ccatgtcttt	aaagcaactg	aaatagtttc	atgagcacag	gcataactgg	attcttggat	75840
ttggggagaa	atgatttggc	tatgtgcctg	ttgctgagga	aagaaactgc	caacactgag	75900
gatgtttcta	aagccaagtg	ccaaattgtt	tgtgcttagc	atcatgtatc	aggctggccc	75960
tgcaagatga	ttccattcca	aaggtcagaa	atactctgcc	ctgtttccag	aattttattc	76020
agaaattgga	aatagagaca	gcttcaaaaat	agtacacatc	ccatcttctt	ctcagaatga	76080
gggctttgat	ccaagccttg	ctatgtaaaa	tgcatgggag	gaagagggaac	ctaatacaaa	76140
ctttgtttat	tctatccgcc	attgctgttt	tcatcttcag	aagaattctg	ctttttgggt	76200
tagtggtaat	aacttgtacc	aagtcgatgg	caactccacc	cagataatga	tgagtttgtg	76260
agaacatatt	tttcacatgt	ttgaagaata	gagctacata	gggttgaatc	tgccctgcaa	76320
tttgatcttt	atcagtttta	tggaggcata	tctccatgat	taccctgtg	tatgtttact	76380
ttaattagat	aaataaccag	aaaccaattg	ctccctcact	tatgattatg	tgtattctcc	76440
atggagtgag	agacaatagc	tagtagccat	ttgtttacct	tcttactttc	ttactctcac	76500
taccagtat	ttcctaatta	aagctatcag	cagccaccat	atgcctgtga	catgagtctt	76560

p11089.ST25.txt

actctgtgga	aacaccatga	tcaaacaaac	aaacaaacaa	acaaacaaac	aaacaaacaa	76620
caggttgcat	tctcagcagt	tgcagaaaaa	ctcactttct	tttgcathtt	caacttghtt	76680
ttacattaat	cacaaacatt	aacagtctaa	caacataatg	tgttcactta	aagataaaca	76740
acacagcagt	tgttaactga	aactcagatg	tcaacactgg	gttaagagaa	ttatgggtgg	76800
tttaccgaaa	agttgaaaga	gagaattgtc	tcagtgaggt	gtggccttca	actggaagca	76860
ctgaagccag	acaattagag	ggaagattca	aaggaggtgc	tctcaggatt	taagtcacca	76920
tgtctcagtc	ttcagaagaa	tgtgcagctg	accaaggcca	gacctgtgaa	gagaccacga	76980
aactacaggt	tgcagcagcc	tccatcgatg	ttgaggagcc	atgttcctca	cctcatctta	77040
tggctactag	tctgaaggac	cagaccagtg	aggagaccca	agtctccaag	gatgtggagg	77100
aacatgttc	ctcttctcaa	cttcttatgg	ctagcgacca	ggatgattct	gaagatgaga	77160
cagccagtac	ttccagtgat	cttcagcatc	cctatgactc	ttcaagcgag	tctactgagg	77220
atcttgatga	ccaagaagtg	cagggtagcc	cagtcattcc	accagatcag	tcagatagca	77280
cagattttacc	tgtgatgact	gtagatggga	aagttgattt	cttgggtgaat	tacatgctgt	77340
acaagtatca	ggtgaaagag	gtgatgagta	tgaatgatat	aatgacactc	attgtcagag	77400
aggatgaaga	tcgttttcat	gaaatcctca	tgagagcttc	tgagcgcatg	gagatgggtct	77460
ttgggctgga	tgtgaaggaa	gtagatccta	tcaaccattg	ctatgctctc	tttatcaaat	77520
taggtctcac	ctatgatggg	atgcgcaatg	atgagtacag	ctttcctaaa	actggtctcc	77580
tgatactcat	cctgggtgta	gtctttatga	agggcaaccg	tgccactgaa	gaggagattt	77640
gggaagtatt	gaatccaatg	ggaatctatg	ctgggatgac	tcattttcatg	tttggtgacc	77700
ctagagagct	gataactgat	gagtttgtga	gggagcaata	cctggaatac	cagccaatag	77760
ccaatagtga	tcccatacag	tatgaatatg	tgtgggggct	acgggctaaa	gctgaaacta	77820
gtaagatgag	agtgttagag	tttgtggcca	aggttcatgg	gtcagaccct	actgtgttcc	77880
tttctcagta	tgaagaggca	ctgattgaag	aagaagagag	aacccttacc	atgctattag	77940
agcatgctga	ttcaagttct	acttctggtg	aaagttctag	tgacacaagc	agcaacttct	78000
ctcaggtcta	gtacagtcag	agatcagttc	cttctgtata	atttacagag	aatttttaaa	78060
cttgccggga	aagatgtacg	acctagattg	tatagggaga	agggagcgtc	ttagctgcat	78120
agttctaatt	tgtataagca	ccatgccatg	tttttcattg	tttgcccttt	atatatgaaa	78180
atacttacac	ttaaaagcat	tgttgtttag	tttcaaaatc	tcaacttaat	accattcaca	78240
aatttaataa	gagcgttgtc	ataacataaa	actaattggg	aaataatccc	atctatctgt	78300
acagttatct	ggaatagtta	aacatgcgtt	ttctaagctt	ctacctttta	aacagctttc	78360
ttctaattac	tccctttgta	cctttccatt	tctcagtaaa	attacatgct	ctatgtggag	78420
ttgtttactt	tatagttgcc	aataaaaattc	aagaaagttt	aaaaaaaaaa	agagagaatt	78480
atggtaattc	ctctcaaaaa	aaaaagtgtc	tcaccattat	tttctcacat	cttattagaa	78540

p11089.ST25.txt

gggtatctaa	caagatccgt	aggtatgtag	agccagcaag	catctggctt	ctcatctctg	78600
tggtggaagt	aattaaagta	ggaagtgcc	atcttgactc	tgctgtcagc	agaagagaac	78660
acactagact	tgtagtgca	gccttagcca	ggccatctac	ttccatgaca	tgggataggt	78720
ataaattagc	atggccatcc	tttcttgtct	ttgtagttca	tacagaatcc	aggaagcaac	78780
acatttagga	gtaggagttg	taccattttt	gcataggaaa	tgtacagttt	cagtgtcaat	78840
gcagggaatt	actatattta	taaaaatcac	agagtccttc	tggttggtgc	tttttagtca	78900
aatatgaaat	gagtagtatt	ggaattacaa	gctggcatca	cttccgtcat	tgagagacctg	78960
tttctgcagt	cacagctgct	aaaacagctt	catgattcct	ttactacgag	ctttgtggtc	79020
ctgcagatga	aggatatcat	agtacatttc	ctgcattctt	catgacactc	gtgatcagca	79080
tataagactt	ttcttttgct	gagaattaaa	taagaatatg	gccaaggaac	agaattagta	79140
ttgtgaagaa	ggtgtaatga	gataagataa	agaatgattc	agagctgcca	atcatgtatc	79200
cctcttgctg	ggttcattgt	ctctctatct	caggcattga	atgaaacata	ctcttggtcc	79260
tgactataaa	atcagtaata	taaaacaacc	aatttaatag	catttagaag	agactcaata	79320
gaccggcagg	gagaagactg	tatccactga	tttaaaatat	gtattatgat	accataaatt	79380
ttaaaaagaa	aggaaggata	gtcttataaa	ttcctaagtt	tgatagcaca	taagggtga	79440
atggtgatca	cttgggtccc	ctttaccttc	attggttctt	tgcatcttca	cctcgagcaa	79500
ttgatttgtt	ttcgcttggt	tgggttctct	gcctttctcc	acactccatg	atttttttca	79560
aaactgtctt	ctgttcccc	tcttgcccac	attgtaaaca	tgtgaagtag	aaaagtga	79620
gtgatttttg	tgtcttttct	tcagaatcat	tatgttttcc	agcaagaact	aacactga	79680
gctacctgaa	acacaaataa	attaatagaa	ttgagccata	cagtcattctg	tatataaagg	79740
tgtaacgtaa	aagggccact	atataggaag	gcagagtcag	cataaggctt	gatttaaaaa	79800
aatggcagaa	caattatccc	tttgatgaga	tagacttaca	tcttacaagt	gtagtcatgc	79860
tacatcataa	gttgacctca	ttttctaaat	tagtcagagg	agcataactt	ttttttctgt	79920
ctttcatttt	ttttgctttg	tttttgtttt	tctagacagg	gtttctctgt	gtatcactgg	79980
ctgtcctgga	actcactctg	tagaccagac	tgccctcaaa	ctcagaaatc	tgctgcctc	80040
tgctttccaa	gtgctgggat	taaaggcatg	ggccaccacc	attgcccggg	tcgtctgtct	80100
tttctaagta	tgcttcctcc	agtacatgta	atgtttctcc	ttttttccca	tattttcctg	80160
ttctgggcag	ctgttaggat	ttacagattg	cttgcttgcc	tttggttatt	tcctgttgcg	80220
ctgtaataaa	actgccctct	tttaataaac	ataggctttg	cttgacttca	gaacctgttt	80280
tagatgtgtg	tttccaaaaa	ggttcccatc	tgtattctta	gaccccttat	gtcttgcatg	80340
agcacattct	tccccagttt	gtatactaaa	gatacttggg	tgaacccatg	tttgtttgga	80400
acatatttat	ttcatttgga	ttctgagttg	ttcctttgct	ttacctagtg	gagcagagct	80460
tatgggaccc	cagagctctt	tctggataag	ctttcttcca	tgaagcaagg	cttctgggat	80520
tttataagat	gttctaagga	aaattcagtt	taaaatgaga	cgttatgttg	atgtgataaa	80580

p11089.ST25.txt

ggtacaaatt tatgacaact actttattgt tgccagttaa gaaccacatt gtaaacatac 80640
 cccctagaat acattttaatt ccatagcact taactatatg tccctacaag taaggatatga 80700
 cactcttctg tatataaagg catcctcata atctttatca tcagtgtttg gtaaacattt 80760
 acctgttcaa attctgcttc atggtgagaa tttttattca gaaatataac aaactaatta 80820
 aatccttttt tgacaatttt ctgtattatt taaatacatc atactaaaga ttttagtata 80880
 ttaactaaat aaagattata atattattta aagtaagccc atcaatgaat aagatatata 80940
 cgcacatagg gaccccttag tcacagtcta gtagactcag gcttctcatt gtttcctttt 81000
 ccatcctttc cttttctagt tgatacctat gagtttgag gtttggtgtt gaaggaagtt 81060
 gctcctgaaa gactctgtcc aggccaacag tggccacaag agcagggcca gatgcaagtc 81120
 tctcttccag ctctacagtg atagttaaga tggctgccat cttaccctcc acagctactg 81180
 tcaaccatct gaactagcag ttccacatac atctccccta agcttgctta cattaagatc 81240
 agcatctcct tttccctggg ctctagttag atctttccat atttatattt ccaactacaac 81300
 ttttaaatgc ttttcaaaa ctttcaaaac attgtaaagc atattattta caaaccagtt 81360
 ttgtcattgg tctaacttca ttttcttctg ctgctacttt tccagcaact agcttccact 81420
 gcaagtaaaa ttttactatc accaacacat gagaggtaaa catgaagcca gaggagtctg 81480
 tatgtgtatt ttgtgcaata agttggttca tggccattac accaaatgcc tggttgtact 81540
 ggttgacaac tgtctttcta ccagatagac tgtttgccca ctgtgcatc ttggacaaca 81600
 tttaaatttt tgtgtttctt agctttttta catgtgacat gaggataaaa attactccta 81660
 cttcatcaga tttaaataaa gtgttttaac ataataccta ccctataaca attcagttca 81720
 atgatggtat catgaagaga aaacacatga ctttaattga attttagagt tctgatgtgt 81780
 gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gcatgtagat ataaaatatg 81840
 aaccagagga ttacctggaa ataactggaa acagaatgac agaatgtatg atagattcgg 81900
 aatgaccata gaattaatat ttgcaaataa atagtagaat gattccactg atcttttgga 81960
 aactaaaaga gagaagaata tttcaaacag ctttcagtgt ggctttctgt gatgctctct 82020
 gtctgtgct tctgtgctg caaaataaag cttccctcct ccccttatg agcagtgaga 82080
 gtgacacttc cctgtgggtg ttgggataac tatttagaat gcagcgagga attacattgc 82140
 ttagaaacgt ggcaatagaa cttctcttct aggggtccatt aagtcaccag acacaggtag 82200
 tgggctgac ttacagtaac caagcatgaa tctcccata ttttagcaggc catgagccaa 82260
 ctaggagacc agtatagaaa tctatagcca gcaagaaggc agagaacaat tgactcttgc 82320
 ttgcttgtcc ccatcaattc atttacaac agcccatata ccaaagggtgc tggagacact 82380
 gtggaagagg gggtagaaa acaatgagac cagaggactc agtggtttgt tagcatatgg 82440
 ggtcttccta ataaaatgca aaaggggtat ggagagggga gtgtgagtga atatgtgcat 82500
 atgaccagat acagtgtatg aaattctcga agaattaaat tctcaatata actcccaact 82560

p11089.ST25.txt

gcaggctaga	gagttattct	tagaccacaca	gataagtgta	gcccttacca	ttcatcatag	82620
aaagccacag	ttaaaagcca	tctaaattgc	ttttccctc	tatcatgttc	cagaagctca	82680
gtgacatcat	tattcccccc	catttacaaa	tataaattct	atagtatttc	cattttttta	82740
aatttcctgt	tttcggtggt	tattgtttgt	ttgcttgtat	gggattcttg	ttgttggtga	82800
ggcagaatct	ctctacgtag	ttctacctgt	cttataacta	cttgtgtaaa	ccaggctgac	82860
ttcaaacaca	cagagatctt	cctggcctct	gcctcctgaa	tactgagatt	atagatgtgc	82920
agtgccattt	ccagctactt	attttcaaaa	ggctgttcac	attttggtgc	ctgtttctgt	82980
caaactccaa	gtgagaagat	ttggattaag	aattatagcc	cctttccatc	tggtttgcac	83040
ctaattctga	tcctaaaaca	aagtaagctt	cttttcaaat	tatcttttat	ttatcaaaac	83100
catggtttaa	atttccagca	tgaatataca	atttgccatt	taaaagtaat	gtttgaaagt	83160
tgtgacagct	gaccagagac	aaggcctact	gaagggtgagt	tccagtgtctg	tggagggaga	83220
ggcatgaat	ggctctgatg	aagcttattg	catgcaagat	catcacaact	tcagaaaaga	83280
ccttaagatg	ccaactaact	atgttattgc	tggggttcag	agagcctaaa	atgtggtgtg	83340
gattgtattg	gcaatgtaac	taaagagcaa	gaatgttcac	attttatgtg	attttaaagg	83400
tattaagtat	caatgaacta	attctttcaa	gagcagagat	aatgaaaca	ttttatcttt	83460
ctgttttcct	tcttactctc	taggaggctc	atgttgaaga	caagtctgaa	taggaatgct	83520
tgtagaagca	ctcattaact	aggattaaaa	tagctagcat	ggattcacca	cagaccttac	83580
agtaattggt	ctgcaagcca	ttcaatcctg	ccaccataac	attagtcctt	tttaaatttt	83640
ttaaatttta	tttatcaatt	tcaatctgat	tttacatagt	gagggttttca	aatttcaatg	83700
tctttggtcc	ctgcaagctt	tattgaaaga	tatattcatc	tatccagggc	taatggtatt	83760
tataagcata	actgtactca	catggatttc	ttaagaggaa	caatacataa	aatttacatt	83820
acaacaaatt	ttgtgaagac	tttatataag	tgtgcctcag	cttatagaaa	gtatagatag	83880
aaagtttaat	ggctatcaac	atcatagact	ttatgtttgt	aaagttaaca	agaaagtcta	83940
cactataaag	cgataataga	taattataca	taaagtatgt	aactaatacc	aacttccttt	84000
aataaattgt	agggaaattg	gcagtaaaat	tacagcaatg	tgctaacctt	gtaactcaat	84060
cactgtgtat	cacctctaaa	attcatttta	aattcaacag	tataatttct	cataagcaat	84120
ggcttactca	ctcattgaac	aaatgttgag	catttggtga	gacatagtac	ttattctagc	84180
caggtatggt	gttatgtggg	ctcattttgt	atatacagaa	tataagaaat	tatctgagaa	84240
aagacagagt	taaagaattc	aacagtaatg	cttgagagtg	gttattgttt	ggcaaggcac	84300
ccagctgtcc	tttctagaga	gtaacaactt	cagcattggg	atgagaaatt	ctcacttctt	84360
tgtacctcac	tgaccagggg	tgagcagagc	tgctcagaag	ctctcttggt	gcctaatacc	84420
ctccattctt	gttagtgatc	tgaactctg	gaatctccca	cagttcccca	ttcatagagc	84480
ctgtttatct	aagtgaaaaa	ataagaataa	aaaaggggtgc	tgtaacaaat	acacaagaaa	84540
tatgaacggc	gttctcaccg	tgttcttgta	gaaatgtaat	agaaatttaa	gctgatgtta	84600

p11089.ST25.txt

ggtgacaatt	aaaatctggg	aggtgttttg	tacactatca	cctcttttggg	atgagatctt	84660
atgaatgagt	gatgtctagt	agaaaagacc	tgtaatcata	ggttttgttg	acccttttcc	84720
tagataatag	acgctgtctt	agaagcgcca	ctaacctctg	atattttcct	ccaagacctc	84780
tgcaaacctg	tattctgctt	attgtacatt	gccatggcaa	tactgtctag	tctgcccata	84840
caggtcccta	ttcatatgac	tcacttggct	gctccacagg	agaggagtta	gcttcaccta	84900
accagcacca	ctgtagcttc	caggaaggga	catgggaaag	aatagcctgc	caactagcca	84960
gcaggcctgc	tcgtccccctc	tttacttcta	atagcaactg	cagggctata	gccagcacag	85020
atcactgtta	atattaaaag	cttgtgaatc	atggcaaatc	atcgtctttt	atggtcagaa	85080
agaatgatgc	ctcttataag	tcttttctgc	ttaattatgg	tagaagggtt	ctacatgttc	85140
ctctaattat	agcaaatata	atcagactaa	agcttggtag	ctaatactat	acttatagga	85200
agtgtacaga	acagtgaata	atgtagatgt	tgataatata	cacatgctaa	agtatcctct	85260
aagaaaagaa	ggcagtgtcg	caaatgaaag	taatttaagt	gaaagtgttc	ctatgaagaa	85320
tcattgtcgt	cacaagcctg	gcaacatatg	aatgtataat	ccctgtgggt	ccttctgtga	85380
taatatgaac	tcgatcttct	tacttccata	aaggaatgac	aagccaagct	ataggaacaa	85440
gaaagcaagc	aaggcacaca	agtattgcct	actttttctt	ttcttttctt	tttttttgtg	85500
attacactgt	cagaactcag	caaatgccta	tatcccctgg	tagcctttaa	caggaacatt	85560
ttcattgtct	ctgtcataaa	acgactgtat	gtcacatgga	ttgagtgaag	ggaaggcact	85620
gagtaagaac	tgtggattct	gaatatcagg	atatcctggt	tttacgccaa	ggctctttgt	85680
taaccatctt	gatcaatgat	gccaaactag	tctagattta	ggctgtgaga	taaacatttg	85740
ttcttgtata	cagttccccg	atcatggcca	aaggacagca	tgaacagagg	tgaaggctct	85800
ggtttcccag	acagtgggtct	cattatctct	tttgcatggt	ttaagggtca	ttcttaacta	85860
cagcccaaga	ctcttgataa	cagggctcac	gtagaataat	tgcaggacag	gttttagtata	85920
gtatcatttt	tcacctcca	atgctaata	gattgaaaat	aaacctgtca	ctgagcagaa	85980
gaaacaaggc	caaggccatt	tgctgcatgt	gatcttttca	cactggcttg	ctgagtttca	86040
gatgattttt	ctgtcacact	caaagaaca	tgagtccttg	aagacttttg	tgaaggctta	86100
gctattatca	agccattgcc	tcatggatga	cttcataaat	gtttgctttt	gcatcaggta	86160
atggcataca	acataatttg	ttcctgactc	cccactatac	acacatatat	ctcctttgac	86220
attagctaata	aaaatgacag	agagacgttg	atttctgact	gataatatca	caagagctcc	86280
ccacacactg	tctcctacaa	atagagtggg	atttacagtt	ttataatgtc	cttaacattt	86340
ttctttcaaa	tgattatatt	taaacatcta	acatttatgc	atacatttat	agcaaagcat	86400
ttaatttcag	caaccttctt	gctcctaatt	aagcagtcac	ttactctata	gaaataagga	86460
gtatatcaat	ctcaaaggcc	atctttcaac	atgctcacac	ttgacactct	tgtttcattt	86520
acccatgttt	tctgtcacag	gttctgatgg	attaatttct	gatttctctc	aaagcctacc	86580

p11089.ST25.txt

aaaaatTTTT	ttatcataaa	atcatttaga	gtgggttattt	ttaggaataa	ttaatattgt	86640
atgcttTga	aaaatataga	tattttaa	aaaatattag	agttaataaa	ataaaataaa	86700
ataatcatat	aatgtgtttg	tttgataaaa	ttaagcttaa	acaatatttt	atttattaaa	86760
tttacatatt	ttcttatata	tattttaatat	atctgttcac	agtgttctta	taataatcat	86820
caaatacccc	tctcagtgg	catataaagc	aaatTTTata	aatttctcat	ttctgttatt	86880
tatccaccaa	taatgtatat	gtcattgtcc	ttctatataa	cactcctgcc	tagtggttat	86940
ataaagtatg	ctttgtaaca	ttttctctct	tttaaaattt	acacatcaat	aattcatata	87000
ccgttgttcc	tccatatttg	taagtgaagg	ctccagaccc	tcttcagatg	ccaatgattg	87060
aggtagcatc	gtcatcactc	tatatctata	ggacatagtt	ttagaacccc	cttccaatgc	87120
ccatgagtca	aatgttatca	tccatttgta	cctataagaa	atggctccaa	cacccccctt	87180
gagaggccag	attgaaattg	cttgaattca	ttaaactgta	taataaatac	tttcaacttg	87240
tatcttccta	caaacttaca	ttatagtacc	taatacaagg	taaatgtcat	gtaagtagtt	87300
gttataatgt	atTTTTatgg	acttttggtc	tagcattgat	atcaatctat	ggcttcacaa	87360
atgaataaga	ttctttgctt	tgattaatta	cagttgcatc	ttttccttct	gtgggtgtgt	87420
ttgctgtttt	tggagggtac	taggttgtag	aacagtttgg	taatattttt	gtctgttaga	87480
ctggtatctc	aagcaccagg	ttctatatcc	aatctgccct	tgtgtactct	ctatggcaag	87540
tctttatcca	acagcaaacc	actctgatat	taaagaaagt	ggtggctaaa	tccacatact	87600
tgttagggtgc	ttattagttt	gaggagtcaa	gtgacttcag	aagtactggt	taattagtag	87660
ggttatgatt	ggaaagggaa	aagagagttc	agaaatgatg	ggaaacgagt	gacacgtatt	87720
agattatttag	ataggaatta	gaggaggagg	atatgtgtgt	gggaataatt	gatgcaaagg	87780
ggagaaatgc	catgtatgtg	tggagggttag	agctaggaga	ctaaaaggag	taggtaaaaa	87840
tacgtactca	gatatcataa	accagggtcag	ccgctgatct	ttgggagatg	tggcaataag	87900
tgggaaagggt	acagaaagaa	ggaaaacacg	gaaaagaaag	tcggaaaagg	aaagacgatg	87960
agggagataa	ggaagacaag	caggaggaga	agaaaaggaa	gagagggaga	gaaagaatgc	88020
caatcagtaa	cagggtggaga	gtgaaggggc	ctgggttgaa	ggctacttca	tctactagac	88080
tgtaaagaca	ggaaatagct	gtgcagagag	aagagctaag	cagaaatagg	aaatctctgc	88140
cagatatgtt	actggtggag	agatatggac	aatataagga	aatgaggcaa	ctggcttgag	88200
tgctgttttt	TTTTTTTTTT	TTTTTTTTTT	ttatcatcct	agtggatctg	gggcttaggc	88260
ttccttggtc	ctggtctttg	ctttatctct	gttgagttaa	actggtccag	ccgtcttttg	88320
tactcacatt	tctccttgca	tttgaggttt	cttgactatc	ttttgtgaac	tgtggatagt	88380
gtggatgcaa	actcttccaa	actgagttgc	tgtgattttt	tgtctttttt	tttaattagg	88440
tattttcctc	gtttacattt	tcaatgctat	cccaaaggct	ccccataccc	accccccca	88500
atcccctacc	cacccactcc	cccttttttg	ccctggcggt	cccctgtact	ggggcatata	88560
aagtttgcaa	gtccaatggg	cctctctttg	cagtgatgtc	cgactaggcc	atTTTTtatg	88620

p11089.ST25.txt

atcaacagag	gagtctggct	ttgtggtgcc	caaatgactg	ttttgagctt	gcctttcctc	88680
acggggttgc	tgatgatggc	ctgagcagca	gtcacagcaa	acttcctttt	taatatctgt	88740
acaagcacag	cttttgtaga	ttctttgata	ggaacctgca	gtccactttt	ctggagtgtg	88800
atagaaaagg	caactgagtt	ggaagctgtg	ttgaatttag	attcagctgg	aaatccaggg	88860
taatggcaaa	gaagggtgtg	gcatccaaca	attgactttt	gttagtatgt	tgatcaagtc	88920
aatacagagg	ctagagaagc	tgagcatcat	taaatacttc	tatttacttg	tttttcctaa	88980
gtaaggatat	gttttagcat	ggcttcta	caccattctg	tcccagttta	atatatttaa	89040
atatatatac	ttacttggat	ctcattaata	tatttaaata	tatatactta	cttggatctc	89100
attgaattga	aaaccacagt	tctatatgat	aactaattgt	ttataattta	accagataga	89160
tgaaatgaaa	atatattatt	aacatgtgta	tataatactc	agcttaaaat	gaggggggga	89220
tgtctccatc	aatgtcctcc	cctcagatct	tagggaaccc	tgtggaataa	aaagcagaaa	89280
gaaccagagg	agctggagga	caccaggaga	acatgcattc	tgaataaaaa	aaccaggctc	89340
atgtgagatt	gaataaccaa	gcacagggcc	aacatgggcc	aacactaggt	ccccggcata	89400
catatcacag	cttccagttt	agtgctttta	tggttcttca	agtgtgagaa	tgagtgggtc	89460
ttgtgccttc	tcctgggttc	ttttcattct	attggtttat	attgtgcaac	attgatatga	89520
tcatTTTTgt	tttatgttat	tatatTTtat	ttgctatatt	ttattattat	ctcttagaag	89580
cctgttcttt	tctaataaaa	gacaaaagg	ggctctagat	aggaggagta	gaggatgggg	89640
aaaatgtaat	caggatagat	tgtgtgagga	agaatctat	tttcaacctt	aaaaaagtgt	89700
gtcctgatat	tttgtattta	tatcataata	atcatgtctg	aaacaagcag	tcaagttcta	89760
attagtttct	tgtgctattg	tatatTTTTg	cttttgggac	ccacatagac	ttgtaaacag	89820
cgttactatt	tttgaaattc	accataactg	caaactgaag	ccgtcttcac	tgccctggga	89880
gcctgactgg	atgtctgagc	cttatctttc	caaaccctct	actgctgtac	aatatggtca	89940
cataggtgca	tacacaagcc	tggttgactc	agtctccaag	ccataaatag	tctgttgaat	90000
ggcttaattg	gagtctagaa	atggagctgt	tcacatatca	tgctcttttc	tttgaatccc	90060
attaccttcc	ttatgagttg	atgaacaaaa	actgttaaca	gttgaagtct	tcaagatctt	90120
tgtattttaga	ttcagtcagt	gaataaaaagt	tcccagaaat	taaaaaatgc	cacccatgat	90180
tggaacttat	ctttattttt	gtcttaaatcg	tgtctataat	tatctttaac	aaatgactga	90240
ctgcatgtgg	gcatttggtc	ctgtagagga	tatcaaacat	ggttttgaaa	catacaaaga	90300
tttgggtgtt	attgtgaaac	atattaaaca	cactttaaaa	tcaaactgat	tgcttaaatt	90360
taatttttaga	ttaaaaaatg	acaattcttg	agatcaaaaa	aagcaattca	ataactcgat	90420
taaatataaa	ctttatttct	aacagctatt	cagctttata	taaacttatc	actgactgat	90480
gatgttatag	caaatatggt	tttaaaatga	atagttatgc	tgtgttcatt	ttcttttttt	90540
tttgatgtgc	actctgagct	tagtgctttg	tcttttacta	gtttattaat	ttatataaat	90600

p11089.ST25.txt

attaatgcaa	aataaatcat	aataagatca	tgtagtaata	cattttttca	agttattcta	90660
gatttttagt	ttttttttaa	attaggtatt	ttcctcgttt	acattttcaa	tgctatccca	90720
aagggtcccc	ataccacccc	cctcaacccc	ctaccacccc	actgcccctt	tttgggcctg	90780
gcgttcccct	gtactggggc	atataaagtt	tgcaagtcca	atgggcctct	ctttgcagtg	90840
atgaccgact	aggccatctt	ttgatacata	tgcaagctaa	gacaagagct	cccgggtact	90900
ggtttagttca	tattgtttgt	ccacctatag	ggttgcagtt	cccttttagct	ccttgggtat	90960
tttctctagc	tccttcatta	ggggccgtgt	gacccatcca	atagctgact	gtgatcatcc	91020
acttctgtgt	ttgctaggcc	ccggcatagt	ctcacaagag	agagctatat	ctgggtccta	91080
tcagcaaaat	cttgctagtg	tatgcaatgg	tgtcagcatt	tggaagctga	ttatgggatg	91140
gatccctgca	tatggcaatc	actagatggg	ccatcctttc	atcacagctc	caaattttgt	91200
ctctgtaact	ccttctatgg	gtgttttgtt	cccattttcta	agaaagggta	aaatgtccac	91260
actttgggtct	tcattcttct	tgaatttcat	gcgtttggca	agttgtatct	tatatcatgg	91320
gtatcctaag	tttctgggct	aatatccact	tatcagtgag	tacatattgt	gtgagttcct	91380
ttgtgattgg	gttacttcac	tcaggatgat	accctccagg	tccatctatt	tgccctaagaa	91440
tttcataaat	tcattctttt	taatagctga	gtagtattcc	atttgtgtaa	tgtaccacat	91500
tttctgtatc	cattcctctg	ttgagggggc	tctgggttct	ttccagcttc	tggtctattat	91560
aaataagggt	gctatgaaca	tagtagagca	tgtgttcttc	ttaccggttg	ggacatcttc	91620
tggtatatatg	cccaggagag	gtattgcggg	atcccataac	cccattaaaa	aatggggctc	91680
agagctgaac	aaagaattct	cacctgagga	ataccgaatg	gcagagaagc	acttgaaaaa	91740
atgttcaaca	tccttaatca	tcagggaaat	gcaaatcaaa	acaacactga	gattccactt	91800
cactccagtc	agaatggcta	agatcaaaaa	ctcaggtggc	agcagatgct	ggcgaggatg	91860
tgagagaaaga	ggaacactcc	tccattgttg	gtgggattgc	aagcttgtag	aaccactctg	91920
gaaatcagtc	tgtgttcatt	ttctaaaagc	ataattaatt	tgacattaaa	ggaaacatct	91980
agtgaccgaa	tatatactcg	gccatagcca	ctgcctctca	aagatttcct	attttactta	92040
gagtaggtca	atgaagatat	aaaatgggtc	aagttaactg	acattgcaag	aaaaactatg	92100
accctagaat	cctgtgcatt	gaaaggatca	tgcaatacag	agatgagtg	caattcctac	92160
tgtcacatca	gttgcagggt	tccattgttg	aaagttaa	ggatgcttac	atgtactcca	92220
tcattggaggt	aaagacaatg	acaatggcat	gtctgtacta	aaagaaagct	ggtttaggaac	92280
agatgaaatc	ccgactgata	gagtttcact	agttattcag	cttatgtgtg	tcttcccttg	92340
tctgttcaac	agctgacct	tagctgttta	gtagttagta	ggggagggct	gagcaatgag	92400
tgtgtacctg	acaaggcact	gaagtaggtt	tgtggctttt	cataatctta	gacactatgt	92460
tggtatagag	atggatctgt	aactgcta	cattgactct	ttccatccca	cagctcattt	92520
ccttaccctg	aacatcttca	aacctagtag	cttgagacta	aacatgtttt	tttttttttg	92580
tttttttcat	tgtaaatgct	atctttgggc	aacaagcctg	cttcccagac	cactagcgat	92640

p11089.ST25.txt

ttattagcat	ctatcagctt	atctcataca	cttgagaatg	aataagtttg	ctttgacctg	92700
cttggctgtc	ctttttgaaa	ccagctacct	atgagttact	cagagaggaa	tcatgcaagt	92760
ctgttccctt	tgctaatagac	ctagtcttct	gtgtctggag	tattccagct	ggagagtcct	92820
ctgtggatag	cagtgcatac	cttcatgcca	ggctggaaat	aagcactgct	tccttaatat	92880
ctcccatagt	tacttacatc	tattgtgatt	ttgtgaatgc	aggcacatac	atatttttca	92940
aattattata	aaataacagc	atatgagata	tgaatgtaat	acagcccatt	ttatatatat	93000
gttatacaga	aagcctgcat	ttcaatgtgg	aacatacaga	caaagaatca	aaccatatca	93060
caatagcaga	ctgtcagggg	tggtcccat	agattgtagg	attgacatat	tcaaagcaga	93120
aaaattcctg	tatgaagttc	gaaaagattt	gagaatcttg	tgtcttaact	tcatgaaact	93180
gcagtctgag	ggtagatgga	ttaggctcag	tatagcaaga	ataaaatttt	aattttgtat	93240
atacacttgt	taatatattt	tgaaaagaat	tattattgtc	tagcttaaga	catattttac	93300
ttataaccag	ttctaatacc	gaaacaaact	tggacaccaa	tactgggatg	gtagtggcca	93360
gcaggggtccc	aaaatgcatg	tatatgcttt	atacagatgt	aaagctcttt	tactactttc	93420
cttacgaatt	tatacatgca	tatgtttgtg	aatgctaaat	tttattggtg	atggttgcta	93480
aaatgatttc	cacttactaa	taagaaacat	atcactcttg	agctaatagc	tgcacttctt	93540
tttttaacct	tcttagaata	ctggaagaag	aaattacttc	aaagtgtaca	taagggtctt	93600
caagtaattt	tgtgactaga	gagggataaa	atggttggtt	tatggcttca	aaaccatcac	93660
tgaaagcaga	tgtatagtat	ggattccctt	acctccatcc	attctctaga	tgatgagtat	93720
ctgggcttgt	tccattgcct	atgcttgaga	aggagatga	aggaggaag	agagatactg	93780
agagaacaat	ggagaaagaa	atcaaatagc	tcacgttttc	tctcatatac	agaatctaga	93840
tttaaataata	tattgctcta	agtatgacag	gaaaatacaa	gtgaagcatt	ggggaagaag	93900
agaggtgtcc	gtatgaagga	gagaagggtt	aaaagaggac	aatggggaga	atatgatcaa	93960
gtacagtgat	gtaaacctag	ggaaatactg	taaggaaatc	aatcacttca	catgctcact	94020
taaatattta	atttaaaagt	gaacttggaa	tttaccaatt	gaaatagact	cagaattccc	94080
acatttctca	agcatttgct	ttcatgggtt	gcttcaagta	gcaagacatc	tttttaaagt	94140
gttgaggaca	aggctgtaga	ttttgctgta	taaaaagatg	ctgaaagaaa	gaaagaaaga	94200
aagaaagaaa	gaaagaaaga	aagaaagaaa	gaagaaaaga	aggaaggaag	gaaggaatta	94260
agaaaaaaga	agctccggtt	acaccagtat	tacatgactt	tatttacaaa	tggatactat	94320
tctgtctttc	tgctggcagc	tttactgtct	gcttgtctca	tcttctactg	atctccttgc	94380
tagacttttag	acactttatc	catttgatgt	aatcttctca	gaagaccaag	gctgcagtta	94440
cagtccacat	tcaatatctt	attcttttcc	tttattttga	acataagtaa	cacttgtctc	94500
taagtaacaa	ggtcaagggt	tttgctttat	ttctgcctcc	ctcaaaacat	ttctcttcct	94560
ctctacaagt	ttcaaactta	ttcacaaggg	aatattgcaa	tacggatgct	attgtccgcg	94620

p11089.ST25.txt

tttcttcctg	gaacaagtgt	taattgatct	ctttgggtct	atgtgtagag	aggagttggg	94680
acctaggaaa	ggtattatct	ggggagttcc	ctgttccttg	gaacagaaca	aagagatgct	94740
gcctacaaaag	gctttacctc	cccagggcct	ctctgtggct	agactcaatt	acagctggag	94800
aagctgtggc	ctatgtgctc	ccaaggccat	ttgacaagat	agtcagctgt	ttattcttgt	94860
ttcttccctt	gtacctgtac	tcctcagaaa	aacattcttc	gaataagtga	cacatttaat	94920
ctgcaatctt	caaagggcat	agtgtgttca	aacacaaaaa	taaatgagac	aatgcaattt	94980
ctgaaatcga	cttacagcga	tatcccatgg	gagtgtactc	caaaccatcc	acccaggctc	95040
attgctcttc	taggcaagag	ccattacaga	gagcacagct	ggaaacctgg	aaaacagctt	95100
tccttagcat	ttgtggttgt	agagcttttc	ttacctactt	agggtgacatt	atagtactta	95160
cagagtctat	aaatagacta	agatattttt	tgaggttaaa	acagttttaa	ttgtacagat	95220
tattagaact	aaaaaaggaa	aatgattcca	ttacacttga	ccttagttta	cgggttgctc	95280
tccttagact	agatgaagca	tttttcaaaa	gctaaaaggc	tgtggcgatt	gcacagaagc	95340
aaaaacaaca	catatcatag	acgttatctg	attatttaat	ggacagggtg	gaagattgaa	95400
acactgcttc	ataagacctg	aagtgggtta	gccagtggga	agactgataa	gcattatcta	95460
gggttgaacc	tgtgctttct	actgcagaat	actacaagtt	acttataaaa	ctgtgaggtg	95520
gtagggctct	aatcagtcaa	atagttatca	gggcaatgcc	tgagtcagtg	aagttcttgc	95580
cattcacaag	acaaatacct	ggctcctgta	cagccagcct	atgctagtca	gagtcccagg	95640
ctaaacagac	accttgtttc	aaaaaaca	ttgtacatat	cctgaaaaaa	tgacactcaa	95700
ggttgcccctg	tggcctgcac	ccccaccacc	cccagacata	catgtgcaca	catataaata	95760
aaagagaaaa	aaatagtaaa	attgagggca	tgctttgggt	ccctagttct	aatgtccatt	95820
ttctcatgaa	actgaatgct	gacaaaactt	gacaaaagcc	aagaatcaca	caggggtctca	95880
gaacaacctc	tcaaaaagca	tgcctaactc	aagtgtgacc	taaataggct	tcttaagtac	95940
ctgcatctta	cctatatcta	acatacaaag	ttgcccgttg	ataaccactg	tggaagaagt	96000
gccagtcttt	agagatgcaa	tctgagagtg	acagtataat	gatccattgt	gttatctgtt	96060
tttgttcttc	taaatatatta	atagaagttt	gtaagaagat	gtattagttt	ctgagcaatg	96120
tgaccaaatt	taaagccaaa	tctagaggac	actttcgatt	tcagaataag	atgtcaaatt	96180
aaaaaaaaaat	ttcatatgta	aagcaatatt	tgtgtgtgtg	tgtgtctgta	tacaatcaat	96240
tataaagttc	ccacatgtct	gtaatagctt	tactgtagta	ttagaaagtg	tgtaatgcac	96300
actgaatgaa	ttcaatggta	ctttctatta	ttttgaaagt	aaaagtattt	ccccatcttc	96360
ttgaaatttc	agaccataag	gtgaagactg	gtaagtgggt	tctgccatac	tggttgctg	96420
tcccctaagc	atgaagccac	acatgaatgt	gctctgagag	gccctggggg	ctggtagctc	96480
agaatgaagc	cttgcttcct	aatcatcctc	tgtaatggag	agctctgggt	taatcatctt	96540
cagagtaagt	gtaatccttg	atgacaccta	ctgagactga	gctaaagttc	tgtaaagggga	96600
acttaaaaaa	aaaggggcca	ttccacgcta	gtgccggcta	ctctctgacc	ccggcagctt	96660

p11089.ST25.txt

cgctacctcc	atggctagcc	ccatgtagca	accttacatc	tcgtggttct	ctttttgcag	96720
attgtaaccc	gataaaataa	aaactctaga	ggcttgatgat	ttattaatca	gatttatatt	96780
agtaaattct	caaccacaa	aatgcctgca	caatgaactc	aaaactcaat	taatataaac	96840
acaagctaca	cccctagatg	aggcacatga	accctactta	ttattttaatc	acctatgtaa	96900
gaaatcccca	atacttaccg	ctcccaggac	tgtttgcttc	tggctcctct	tcctctccta	96960
ctggttccat	cttatctctt	cctctccccc	cccctttttt	ttctcttggg	ctctctgtcc	97020
tcattctctaa	aatcctcagc	ccactttcct	tgtctactgc	ccagtcacag	gctctcacct	97080
tatcttgtaa	ctgtcctcac	ctgcatatag	acagcagcct	tcaaagttct	cagtgtgttt	97140
ctgacaagga	ctaaatcttc	agaaatgtgt	caatgtaagt	cctctgccct	acagccccct	97200
ttattgtcaa	gattctgtag	atttaaacct	tgccacata	actcatcttc	tggcaatttc	97260
tgagaaactg	tgccttctgg	taatgtcaga	agctacaccc	ataaagtctc	atcaatatga	97320
ctgcctaaac	atgaactgaa	caatgacaat	gaaatgctaa	actggaagga	aaagagccca	97380
tgggatctca	actctacaca	aagaactata	ggcagctaaa	gaaatctgat	aatgagagaa	97440
atagtcttcc	ccaggggaaga	gcacaacaac	tggctatcca	ataccagaca	gctctgaaaa	97500
tgcacacata	agtaacatta	taaagactga	agaatattat	atttagaaat	atgtatagta	97560
tatatataca	tgtacatatg	tgtatgtaac	aacaatgaat	gaaaaagggtg	ccattagttt	97620
gaaaaggagc	aagaggggggt	atatgggagg	ggttagaggg	aagaaaggga	agtgataaat	97680
gatgtaatta	tattaaaatc	tcaaaacaga	aaagaacaac	tcaatatcaa	caatgcgcat	97740
gtttttccta	tgatataaga	aaatcatata	tgcttaggac	agtagttcct	tttaaaattc	97800
agccacaaat	cactgagagt	ttccagttta	aaaacagtta	aattgtctca	catattttatg	97860
ctttccattt	tcaattttca	gtttaaaatt	gagaaaaact	tataaaagtt	gcagataatg	97920
gtatgtgatt	tccttatttt	taagatcttc	atcaccatat	tggaaataaag	gctttttatgt	97980
actccagaac	tgtccatcat	ggcactctat	gtggaagggt	acttgcatta	gcacataggg	98040
aagaaataat	tccattagaa	ccaagggtga	ctctcatctg	tagaatctaa	gaatagggaa	98100
caccattggg	ttactcttct	catatccctt	ttcttcttgg	ggcatatctc	ccagccttag	98160
cacaaaggac	ttaggagagt	aggtagggga	agggagtcca	agtttatcag	tcaagtaaca	98220
cattactata	acataggcag	cctctgaatg	tctctgggaa	atatgcttta	atgctcatct	98280
taccatcaca	ttgttatccc	aagagaagcc	cttgggctag	atgtgggcca	gtctccagtt	98340
gatcatttca	gttctcagct	cactcctcat	cttgctgtgc	tttctcacct	gacagtgggtg	98400
atacagtgtg	aagacaattt	tagccacttg	atgacagcca	gcacctgggt	cacatgtcta	98460
tgctagtcca	aatgaatcag	ccagaaaagta	tattagaatt	catcaaagat	gtgtgaattt	98520
caaatgacc	tatttcttta	aaatgtgtaa	aagtacaatt	gtgaaggctc	attctagaag	98580
attctttcct	ttgcttctcc	ctttttcctt	aaatctctga	gtgagaaaat	gtagctgaga	98640

p11089.ST25.txt

agcaggcttt	ttatcttaat	atctcccca	ctctgttaag	aaataaaaga	ctaaaaataa	98700
attactttta	gattcagagc	agcaacctgt	ccccagtga	gctctcttaa	ttaatgtgg	98760
gacctgtgta	gagaaaagg	acaactgcag	agtctctcag	taattatcca	accaaagctt	98820
cagataatta	cagtagggag	gtttttgaga	cacaggacat	cctgaaaact	tgaacttcct	98880
tgttgactta	ggccttctat	tcattcatgt	tggggtttgt	aattgacaaa	gtcagagcat	98940
atcagaaaact	cacacattac	taaagtctct	gtgtttgtac	ttgacaaaga	cagcacatat	99000
cagaaattca	aacactacta	aagtctctgt	gcgagttctc	aacagaaaat	aaagtgcctc	99060
ataaaatgg	ggaaattagg	ggattagcta	aaggtaaaat	tgagaagtgc	tcgtgcagta	99120
ctgagtaatg	tgggccagat	aaaagatata	ttttatatag	actataagat	atattagaca	99180
gcaaattgag	aactgttgct	aaagattgat	accagacaac	aatatgttgt	attcataaag	99240
agtattcttc	agcactccaa	taatgggcag	tgttgaaaa	tctttccaag	gtgctgtatt	99300
tatgaatggt	caaactactc	attagctaaa	tttccttttg	atttaaactc	ataattggta	99360
atcaaaataa	atttcaattt	ccccctttgc	ggcttttaaa	aagtggaatc	tcagtggcct	99420
tcaggtgact	cactggactc	gtacattcag	tcaatctgaa	accacataaa	tggatttggt	99480
ttcattaaaa	ccatttcgcc	ccagtggctt	tctaagccta	taaaaaaacc	tgctctcagt	99540
gacccagtct	aacttaaatc	acagcagtgc	tttctcaaaa	caataaatgt	tatcttttcc	99600
atgggagtc	agatgagaag	ctaaaatcac	cttagagacc	aagctatctc	atagatgtcc	99660
tgtccttcaa	taaagaaaga	atatttgctt	tgcactgagt	ggccacagtg	ttcattttag	99720
ccacagacca	tgcattgtct	ttttggcaca	gctatgtagt	aggctacaag	atggaaggct	99780
tatattgact	gttctcagta	ctctcctcat	gtctcctggg	ttgctctcct	gctttggtag	99840
ccttttctca	caggtgcctt	tgctgcacag	tactgtgtgt	tcattaagca	agagagtc	99900
tgtttcttcc	agaaagagaa	ggccttttaa	agaaagggtc	tgtggcaaca	atggcctgta	99960
acatgcaaag	cagatgaaat	gataagttaa	agagtgggtt	gggagcaatc	cgtagcagct	100020
ccatttcaaa	tacagtcaca	aatgggtgca	tgtaatgaac	aataacgctc	ctcaactagt	100080
tgcagcagat	tgctgactca	tccgggtacat	atgttgatgg	tatatgaaga	aaataaagg	100140
aaattctaaa	ttttctaggt	gtgctgttga	tatgcagcat	attgggtact	cagtcaaatt	100200
gtaatttatc	agtgcaatgg	acgtggcctc	attcattaat	cagtagcagt	ggattgtatt	100260
atgtatgtct	tttggtagaa	atatgactta	gtttactgct	gtggttttca	cacttgttcc	100320
agtgaatcgt	atagatacat	tttatgtgtc	taagtcatat	aatccagcag	aggcaggtgg	100380
atatctgagt	tcaaggccag	ccttgtttac	agagtgaatt	ctaggatagc	cagggttaag	100440
cagagaaacc	ctgtcttaaa	taatcaacca	accaacaaac	aagatatattc	tcccccaact	100500
ctatatatcc	tccaaggag	tctttgatgg	gggcagcagc	tagcacaaga	ggtggtagtc	100560
actgccccct	cacactgctg	ggctttcaca	cccatcacat	ttgtgctacc	tacatcatga	100620
tcaatctgca	cagattgaat	gttcaagtac	tagacacaaa	attatgattt	aaggaatgaa	100680

p11089.ST25.txt

taataagcaa gaagagccac agtttcaggg gaaaatgcc a gattcaaca aatgtcacta 100740
 ggaaatagct cagaattgag agttatcaaa agcaagtgat agaaccaata tgcattctat 100800
 ctatttgtga aaatctcaag gagtaaaaat gaaatttaat taaaaaatta aagtagcaag 100860
 aatgtatcaa attcggtaag tcgaatagta agtttctcta gagagataat acaaaaaaaaa 100920
 accaatatatt gctcagaaca aataaataaa aacagatcca tttgtgtttc atttcaaaaa 100980
 gcaactctca attttttaaag ttcattgtgt aaaatcactt ttgtgtaagt caattttatg 101040
 ttcaaagtat attttttctt ttagatcttt gttgggtttc ttttacatcc aatattttta 101100
 tacaggaatt taattcatga atttgatagg attatatttt gcatatgtgt tacacatgtg 101160
 ttttaacttgt catttagtag ctgtgacatt gtagggcacc tgactccttt atgtcccacc 101220
 tagctgaaca tgctccttg agaatgttg ctgttacttt ggacagtatt ttttcattat 101280
 aaatacaaac agtctgtatg ttattttgtt cttaaaagat taataatttt tactgtcttt 101340
 aatttttaga gaaaaatgaa gacatcaggc tgactgacta acccctaaat ggcaaggccc 101400
 aggttctatt tgttatgctc cacttcttcc tcaacaatgc ccagggtcca ttagttacac 101460
 attgcctctc tcagcagttg gctaatttcc ttctaattta tttttcagac tccattatag 101520
 aacttttcca attacagcta catctcagca cttaagacc atgctttggt ttaacatttg 101580
 cacggctgca gactgagctt gaaggccatc actgtcactc cagagataga gatgtactct 101640
 caagttttac tactctaaat aagatagggt gaattcctgc ttcacagggt tacttggtga 101700
 ataaatgaat ccccttttct cttttgcttt cttattctgg atcttatcag tttcaatgag 101760
 aaaagaaagg gtgtgtcatc tttggactct cccatcaggg tagaggacta ttgcttatac 101820
 attagccaga gatttatgtt tgttggctca gctgcagact tatttctctg aactttaacc 101880
 acctgtgacc ctggaactta cttcctattg taaccatcaa tttccagctc caatgaatgc 101940
 tctttgcatg caggcagctc ctgccagtga taacagccct ctgtaggaca ccaagactag 102000
 gacccatagc taccatggct agtgtttag ctttctgaaa cagttcttcg ttactattct 102060
 cctcatctct aaagcactgt gtcatagttc caggattgtt tgggttgtca gctgttgaca 102120
 gcatccagga tacaaggctt aagtcactct catgcctggg ggcttcctgg aacttgcagt 102180
 ggaggtagggt gtgcagctta ttgtatctag ctcttacag cttcatggt cttcatgacc 102240
 tctgtcccc gtcactctct ctcagctgtt ctctggagct tttcagcctc tctcttact 102300
 gctgtgcagc tgttctcctt tcttttggtg ccatatcagc tactctactg atggctaatt 102360
 gactgacagt cggtcactca gacaggggtac cagagaaatt ctagcagctg tcagttagcg 102420
 aggtacactc cacaccaacc cattccatag tttattttaa agaaaagcat gcgtcaaaat 102480
 agtgttcagg ataaaggctt atcataaata ttactgatgt tttaatggta tttagcaatt 102540
 tctaaatctg cccagtgctt cagttacagt ggcctccttc tcttatttgt ctttaaaaca 102600
 cacttatagg ggctggggac aaaaaaacc acacacttat atatctgata tctttaatgc 102660

p11089.ST25.txt

atcatttatg gtaggtttga agaagcatct cgcacaatgt ataccagaca ggatttatgt 102720
gccctgaaat gtcttttttt ctatagctag taacagtccc tgtcttgatg atcaatcaaa 102780
cacaaattcc aataactggt caatgaaaac atacatataa gtaacattat atggagtcaa 102840
caggctatgt tagaaatgta tatctatata caaatacatg tgtatgtgtg acataatgat 102900
gaaaatatga cctcaaattt gaagtagaac agagggtggt atatggaagg atttagagga 102960
agaaagggag aaatataatt aaattataat ctcaaaaaat attaaaaaat gctaaaaaac 103020
caatcagttc atcccccttc tttctaacac ttatccagat tcacacagtc ttggaatcca 103080
cagatctcac atttctgcat attttaaaaca aggcaccaat tgctttcgct tgggtctgcc 103140
ttcatgagga tattagcaca atgatcagcc ttgaaaggta gaagtagttt ctccctctga 103200
gtcaaagaca gatgtgagtg tgtagcctta gtcagatgct cggtttatag tcattcctta 103260
taatttaaaa aaaatctgga ttggtgagat ggctcagtg ttaagaacac tggctgttct 103320
tccagaggac cctgttcagt tcgcagcatt cacatggcag ctgacaactg tctgtaactc 103380
catcccagag ggtttggtc cctcacatag acatttgagc aggcaaaaca tcaatgcaca 103440
tgaaaataaa tcttaaaaga tgctatttcc ttaagttcca aagttctctt ctatcatgaa 103500
cccagtgact gggagttttg gtgtctttaa actttcctgt gagaattggg acgttccctg 103560
tggctttggg atttccatgt gagatctgtg ctctggctcc tgctattttc ataaacagtc 103620
atgtaacttg tctcaaaatt ttgtattttg tttcaacttc tatagtattg atcttgacaa 103680
atgtgataat ttacaagtag tacaaaacca aactgtggac aacttttaag taatcattgc 103740
caattcaaat gaagtaaatt atagctactc catcttcatt tttaatatgc aacctgtcca 103800
acataagggt tcgctgtcat gtgcacctga tcctcatgtc ctgcagccat tctgcaggtc 103860
actgccagac tgatttacct gaaaccaatt ttcaccttat agctgtcagt caaagcatgg 103920
tggttattaa atgtgcaagc cctgttggca agtggtcccg gtactcatct acctccaatt 103980
cccattagcc cagggacagt atcacttttc ttctgccata ttttgtccat gatatatccc 104040
gtgtttagtt ttcccagcta gcctcaaaat attgagattc aatactgatg tttctgggag 104100
taatcgctcc tcattttgaa tgtgttattt ttacgtctca gtgccctaga ccaagggtat 104160
atagtcttct gttttttcag atctcacatt ttatttaatt ttctagaatt gatagtttga 104220
ggtgaaactt atgtttcact atatactttg caattattga cctcattcac agtatataca 104280
aatgtttata ctgctaattc ctccctcttt tgaagaacca atatgctgat attagtagga 104340
acactgtaga tttgttggca ttaagcatag atctcatcaa ggagttagaa tgtagagaaa 104400
caacattttc tattcaattt catgaaagtt ttttagtttt tctgctacat aaaaatacaa 104460
tgttcttatg acttgatcaa ttcttcatat aaaataactt aaagtctaca ttttcagaag 104520
tcttataacc tcttaacca caaaatatat catgggttttc aaatctggct actatgcggc 104580
gagttgctgt cataagcatt aatactgtgt gataattaat tgtcagcttt aagacagtaa 104640
ccttactttc tgtgctgtgc ttatgtcaca gttgtgtctg tccaatataa gcaacatata 104700

p11089.ST25.txt

gtttcgtaga gagtacatta ggtcttctgg gagtttgaag acagagactc aaagaaaaag 104760
 tcatgctttt cagagagttc ttaacctgct ttacttaaag agaaccagtg actgaaatat 104820
 taagagctgt tttcttgga gcatcataag aatcaataaa agactactca ttctccagaa 104880
 ccaaggctgg aaagttgtcc caccaagtgc tttgttgtca cctcagctct ggctgctgtg 104940
 ggtaagcctg caagtgaagg atcctggcag ctgcacttta gtttctgctc tgtgcctttg 105000
 tctcacacca ggtgcttcct acccatggct agggcttcag cacctgttcc tacagtctac 105060
 acctaaattc ctgggcagct gagaggtggg gatatggaat atgtgtccca ctttgacaaa 105120
 gacaaacatt gaggttttgt agagtctcaa atgaaactaa ttggtgaaag cagacaaaaa 105180
 gtttctatta taaaaagata aaaaatgaag cctattctga agaaaaactt agctacaact 105240
 tgataatata aaaataataa gtactcatta attaaataat atgtgtttat taaaatacgt 105300
 aaacaaatta gatgctatcc gagtacatag ggtctcagta aatattctgt tatataacta 105360
 tgtactggtg attactggct actctatgtc accgtgttta atatctctaa tgtcacagg 105420
 accatttgcc acatggcaag tcagttacca aatattttgt ttagagcagg gaggggtata 105480
 ctttatccag agtttccaat caacccgtca tatgtgcagt tttaggaag ggactctgac 105540
 acaagggtgct tggagtgggt ttgtaaggaa gcttttattt gttccataaa gtgataaagc 105600
 tggccatttt ttacagatgt acttctctgt cacatacgca tgcactctca ccacagaaga 105660
 gtgcctgcag ctactgctca cattcataaa gatgctcaca ttgtcttatt acagatactc 105720
 tgtctgtggg aaactgagaa ttcctgttga acattcataa gtagatctaa aggaaccatg 105780
 ctgaaggaag atccattgag aatgttgagc agagctgtgg attgacttat tgagagtttt 105840
 ataatgtgtg taatccagaa ataatggatg ctttagaagt aattaaaaga ctataaataa 105900
 acacttagtg ccttaataata aagaggagaa agacaacatt gagctcatca gctgtgatga 105960
 cgaagtaatc tttctcttta aacgctatgt gaataagtaa gcaaactaca cttgatgact 106020
 agatacagca tctgcctcat ggacttaatg gatcatgatg ctttattata ataatacaag 106080
 tggacataaa tgcaggggct taagagggat taccaccttc agtgctcagc aaagctttgc 106140
 tccttgtcag caggggagaa gaaagcactc aagtgatgat aattcaaact attctagttt 106200
 gaagttccta gtggcagaac ctccaataaa atggcttact acaaattcag aagataacat 106260
 tgtctgagca gctctcttca ttagaagcaa tgtgttcatt gccccctaaa taaaagggtc 106320
 catttttgta cttggcaaaa catcaggcac acacacacac acacacacac acacacacac 106380
 acacacacac acactcaact cccttagctg tctgagatta ctctcttga tgcaaatagt 106440
 aacaagcttt aattaatacc agaggtagtt gaggtactca gacattaatt atacctcatt 106500
 catggaatct ggcttaatgt tttattatga aaggtttatt tacaagaagt gtcacaaaat 106560
 acaacataat aattaggagg gcagactttg gaaccagggt tagtctgttc tgcagtgggt 106620
 aaaatgggaa tcataatggc agccttctct aaggactagt ttgagttcag gtaaagttta 106680

taccgtcttt ggaatgtgtc cagaccccaa taaagcacca aggagagtct ggtttgttgt 106740
tattattggt gtttttaaac tgtggtttat ttataagtaa gatgggcaag aaatcatttg 106800
gtagcatttg cttttaatta ccttaatttt ttttaaaatt taacttagtg tattaattta 106860
cttagtttta aaatcaagcc tcactctata tttcatcctg acttgaaact tactaggtaa 106920
aaatgggtgg cctcaagtcc ttggcattcc tgcttgagtc tccaagggca gtattacagg 106980
catgaagcac catgacaggt tttgccttgc atatcagggt tctttataat ctagtttaga 107040
gttcccttt atcactaatt tgtccaaaca gatttgaagt tcccagaaat actctaagtt 107100
tagaaaagt accactggca cgatgtgaca atatttaact gtgacagtat tttcaaattcc 107160
ttctgaagt tattgctgtg atctgctgg ccctacttcc tcagtgtga tgatcccatg 107220
gagacactga tagcacagtc actttaatag gctggggccc agtgaggaaac ttttccttct 107280
agatggtaga cctggtagac ttcacttggc ctcagctcac attcttgctt cagctttctt 107340
aaagccttt aatcactcag ataagaaaga catagcctcc ttgtgtacta taaagaacat 107400
atctaataaa aaaaaagagt tcttggtttc atatctattg atttctaagc cttcagtcta 107460
tgtcagaacc tcacaactct tgtcattttt ttggatacaa gcattcttgt ttgcctgaag 107520
catttttcat cagtcttata gtaagataga ctatccacca tttctttctt tgtttaaagc 107580
aagcaccgt gccatgggtt gctaaagtgt gaatgttccc tctttttttc cttcaaattc 107640
ttcaccattc cgtaagggtc tctaaaaatga aagcatcaat cctgttttat agatggccaa 107700
agtctacctt ttttattcag ttactgattt taggacttcc tttcaaagac cattgcatta 107760
atgaacagga tgcagccttt aaaagtccaa tctatacatg tttaaagtaa tagtaaaaag 107820
aacctcatgt atacatgcaa tcatacaaaa atcatacatt ccctcaacag tcctaaagca 107880
ctggaaatgc aggttattct caggtttcca ttgtgtgtga gtatttccac cagaacatat 107940
tcaaataaca ggaataaaag ctggcagtgg ttgcctcgct gtgtaggctc attagatgag 108000
tcagctaatt acaggggttg gcattcaaaa gggcaggcac tctgccactt accaaagaga 108060
atgaggatta agatagcatg ttacctcctg aaaactagag ttaaaaatgc ttttgcttag 108120
atactactt agtgtgccaa gtgttttata caactgggtt tttgataatt gattaaaacc 108180
ctcttaaaag attcttcaag tatatttaat atattatctt gctttttcct tgtctcccaa 108240
aacttttaaa agaatgaggt aaaggagtgt ttatctattc tctgtactgt tctgtccctc 108300
taagagacta aatcactgtg ccagagggga ggagaacctg agcaatcaga ctttcaaagc 108360
agaacacagg cacatgttca atgagaagag gagtacacgt catttccatg taggactaga 108420
ttctccatga atgccactga actgtataaa aatttatata cataaaaatt tattgtattc 108480
acaatctgaa aagtgacctg agaagagtgt gttttcggca ttgcttatca gtgttcccta 108540
actttgctat tccagtgtga cacatgcaat tgatggcata gcaatttcct gttcactgag 108600
gaaatcttgc tagatgtaat gaagctggat gtgccataat aaatgagggc agataagtca 108660
ctctgatcag caagtagcct ttcagatgag ctaggaaact cctatcttca gtcagcttgt 108720

p11089.ST25.txt

ggctagtcac tttgtttgtg ttgtggttgt taaaatcagg ctgtagttat ggttttggtt 108780
 tatggtttta aaaactcaac tactgaaccc tttagtttta atatatatat taatatatat 108840
 atactctgta tcaccatgta tatgtatatg aatatagggg gcctgggtata gggtttgctt 108900
 gttagtagat atatataggt taaagataat ctggaagtag tttttcccag gttccacaca 108960
 ggcagagtca tttggagaca tggaaactgag agtagattag cttgtctaata cagcaagctc 109020
 caaggatcta cttgtcctta atgcccacat ttaacctgcc gccactctc cgctgccaca 109080
 tatatacaca taccctatcc agagaataca agcacacgct actctacttg gttgctcatg 109140
 catagaaagg ggcatttttc atttttcaag ggctctctcc ccgcctaata ttttcatata 109200
 gaacaaagcc cctccaagtt gtaaatgtgt tatgatgggt aatatctagg ccagggcaaa 109260
 aattggcaac agaaaaggct gaatacatgg taaatatctt gtttggttgt ttgatttttg 109320
 agacagggtt tctctgtata gccctggctg ttctggaact cactttgtag accaggctgg 109380
 actcgaactc agaaatccgc ctgcctctgc ctcccagtg ctgggattaa aggcattgcac 109440
 caccatgccc ggcataatgt aaatatctta cacttatgtt ctaacaagtg tttttttttt 109500
 atttctgcca agttcacttt tttaatgtgt ccatataata catggctatt tctcttagta 109560
 aaatgtgctt tgtaatatat atatatgcac ttccctacgt gggaaatgaa gtatatgggtg 109620
 tgtacacttt ttctattaaa ttacctaac cgttttacac acacaaacac acacacacac 109680
 acacacacac acacacacac acacacacat cttctaatta ctctctccct aacaccatta 109740
 tttttctttc atccctatta agaccttact cccaccattg ctactagtcc cttcccaga 109800
 ttcatggatt ttggttttgt gactcatttg gtttagtcag acctttttct gtgaactttc 109860
 gattgagact gcacatcagt acatgatgtg atcttcagtg ggtataaaac tgaaggcaat 109920
 gattttaccct tgccccaat catcagtagt aagtagtata gcagtgacag ggtcatctga 109980
 gtccttctat ctatttctga catttgacag gtcataattt gtgtatatac aaaatattta 110040
 tgcataatatt tgcataatatt aggcatatat ttatgcatat acagagcaag cacctgtagc 110100
 ttctataagt tcatgattga aattcctatg atttgccatg gaacactatt tcttcctttt 110160
 ggcccttaca atctttctgc tgcccttct tccactaccta ctggctccta gaagagacag 110220
 gataagtgtg gtgttttata ctgagcacta atactctgcc ttttgtaacc tggaaaccag 110280
 tgtctctaca ttaccattg ttactgaaa ggagagggtt atcttattaa ggctgaaagt 110340
 agcttttggt ccatgctact gtgacagaca acaagagga atggcaagaa cctgtactgg 110400
 ttgaggggtt tacttggtgc tttgtgatga acagtcctgg aatttggtt ttggtataat 110460
 aaaatgactt ccaggacaaa tttgttcag cctgtacttt tttttttaa tagatctatg 110520
 ttatttttta tttaaaatgg aattctggga tgtattttat attagagata cttaacacag 110580
 taagatgtat gcttaaataa accttgcct atcatgtcaa agttctttta aatgtctgcc 110640
 tttttcttta tggctgttgt tttctccatc tttatgatct attgagcaaa tgtgttactg 110700

p11089.ST25.txt

tatttattaa tgggttgatt aatattacct gacattataa caaaatactg gtctcatcca 110760
aaacatatgt ttagcataag agcagtggga tcagatcttg acctgctgct ttcagtgttg 110820
taagtgtaga tatcaggtac ttgttttagcc cttacatttg aaaaaatacc atatactctt 110880
ccagctgtct ttcagaaacc cagttttcct ttagctcctt gtaaattttg aagcagagat 110940
caccttttat tttcctgtat ttatatgggt agatagaaca ttgttatttt cttatattaa 111000
atgtcactgt ggaggtgaca aatgattgct gacagtggat agtaattacc aggggtcaatt 111060
gtaaattttg gtcagttctg atcttaaaatt ctgtttacgt gaataatctt tgttttctgt 111120
attgcaacat tgccaccaag aattatcctt tacaaaatac tttgttgtaa acatcagtga 111180
agattatgat gcaagctatg catggggagg taagatgtat actatacatg ggagccaagt 111240
agcatgcaag ttaggggtaca gtctatgcat tagggggccag gaagtttcaa gacatttatg 111300
aggggtgggt aggatggaaa ctgtacatga aaagaccagg tagcatgaaa gctatatttt 111360
aggaactaga aacatgcaag atatatgtgg aggtggcagg taggatataa actatgcatt 111420
tggagtccag gcagaatgga aacatgttag aaggattcaa gctatgcatt aagaaccaga 111480
cagaattcaa gtgataagga gggggtatgg aggggggggt agtgggatac aagctgtgca 111540
ttaaatgcaa tgtgacctgc tggctatgca ttaggggcta ggtaggatgc aggatataca 111600
gtaaggacca agtagcatgc attaaagtcc aggtagtata cgagtataca agctacacaa 111660
aagaagctag gtggtattgc agcacagatc tctctgaaaa agaggagata catatttgat 111720
atccttgata cagaattttg acgatcttct ctgcaggaaa aatggtggat gcgagcctgt 111780
cttttgatg gccactaaat ctgtaccaac accttgacct gtactagatc ctctatcttt 111840
gcccttgac aggttttgcc cacatgcagg ttaccagtta gtgttttttt gtttgtttgt 111900
ttgtttgggt ggtttttttt tgtttcgtt tataggtcaa gacacttgct tttttattta 111960
gacagcatct ctcttctttt gagtatgtat ttatatttta aatgatacag ttctctgttc 112020
acagataaac ttatggacac atccgtgggt tcacttttat tatagaaatt atggatcctt 112080
tatgatttta tggaaccctt gcctacaaat taagctgtga atttttaaaa aaatctttga 112140
taaatttgta gctggagctg tgagtccctc catgtgtact ctttggatgg tggtttagtc 112200
cctgggagct ctgggggtac tggttgcttc atatcgttgt tcctcctata gggctgcaaa 112260
tcctgtctgc tccttgggtc ctttctctag ctctccatt ggggacctg tgctcagtcc 112320
aatggttgac tgagagcatc cacctctgta tttgtcaggc actggcagag cttctcagga 112380
gacagctata tcaggctcct gtcagcaagc acttgttggc atccacaata gtgtctggct 112440
ttggtgactg tatgtgggat ggatctccag gtggagcagt ctctggatgg ccttcccttc 112500
tggatcatca taggaggaga ggccgttgggt cctgtgaggg ctcaatgccc cattgtaggg 112560
gaatgccagg accaggaatt gggagtggat gggttgatga gcagggggga gggagagagg 112620
atatgggggt ttcagcaggg aaaccaagaa agggtagata cttgaaatgt aaataaagaa 112680
aatatctaata aaaaatatta agcacacata caaaaaaac tttgataaag ataactcctc 112740

p11089.ST25.txt

aagatttgtg gaacacggtg tttcctaaat gaatgccagg agagtacaat ctttagcaca 112800
ggaaaatgta gtactaagaa acacaaacac gtatactatg tttttaaaaa gaaaccaaca 112860
attattgatt tacaacttgg atgattttat gattaaaatt gacatgaagg gattttaatt 112920
gattgtattt catggtaaac ccaggaagga atttctaagc aacattcagc attatctgga 112980
tgaactctga agggcaaaca cagttatccc cttatacaca tggacacca cagcctgtga 113040
catcctcttc tactaatgta ggaatatcag agttaggagc cccaggggtt ggcctttcat 113100
attgtcttat ccagtttata acataaatct cacaagttac attggaaaat gactgaaga 113160
ggtggtttac tatatttcct tcctatgagc tgtataaaaa tcacgtaaac atcagtgaga 113220
ggggtccatt gtgtcacttg ctccctccag ttatatacaa atgaaaagat ctctttgctg 113280
tcttttctca acacagttag ttgatgctca ggagtgggtg taacatgccc agagtcacaa 113340
aagataactt aggctggaat tgtaatgtgc atcctatgat caagttctgg ggctgaacta 113400
ccacacaacc aaaacctgga ttcttatact accatgtaaa atactgttac tctacatttt 113460
gaagtgaggt gatttgggga cagtttaaga cttatttaac ttataaaca attggcctct 113520
ctgggtttgt aaccagagat tgttgatatc tatacagcat gataggatga tctgtaaggt 113580
gccctgcaa gctaccgaaa gcatgacctt cagagtctga ccttgcccta gtgtcaactc 113640
ttatttcttc cctctgcca cctgtccatt atgcctatga taaaagcaga gggagatagc 113700
atttacagtg agtatattgc ccacagaagc tgagcatcct ttgatctcat tgaaatagac 113760
catttagcct ctagtgtgctc tttgagtatt tgctgaactc tgtcattcaa taattacttt 113820
ggtggaacaa atggaaaaga acaaaagatc tttgatgaag gatacaaaaa agctccatca 113880
tgtcaagctg aatgctaggg tgtctgcatt gtggagagat aatctgaaat tttgtccaat 113940
catatctttg ttttggtttt ggttttggtt ttacttcaag tacatataat ttcaaacttc 114000
agctttccaa agagaactat ttctttggca gcatttaaga atgaattatt ggggctcaaa 114060
atatagctca ctgtttaaga acatatgtat ttttcttcca gaggactcta gtttataatc 114120
tagcacctat atggagaatc acaaggatct atagctccgg ttccagggaa tgtgatgccc 114180
tcattattca ccacacatgc acatagtcca cacacatact cacaataaaa agaaaagaaa 114240
acaatgaatt ataaaacaca tgtactttac cttttaaaat ttaggaaaaa taaataataa 114300
tgataatttg tcaatatttg ttttactttt ttggaacatt tttacttttt cattgaaatg 114360
ctatgtgggt tctgtctaca aatgacatcc tgtaaacaat tacaccaaaa ataagctatc 114420
cttattagag aattggcaaa tgatttcaga aaagttttga atacattact gttatttgat 114480
tcatcattac ccattgacta caaaccattg ttactatagc attgcgctta tggagagaac 114540
ttatggactt tagctttggc aacttccagt gtagttaatt acctgtgcaa aatatttgta 114600
ctcttttagat tggtaaccca tgcatgcaca atgttttttc cagtggtttg gtacacttag 114660
aatccatcaa taatacagaa gaatgcactt ctgataacac ttcgtgcagc accttgaaga 114720

p11089.ST25.txt

taaggtgtct	ttttcaagct	ggttttcaga	agttaaaaca	ctctcttatt	gtgctttctc	114780
ttccctctct	gtaggggtgag	gaggggtacc	cacaggaagg	aatcctggaa	gacatgcctg	114840
tggatcctgg	cagtggaggct	tatgaaatgc	cttcagaggt	aaatgcctgt	ataaaagaaaa	114900
ctaagcaaaa	cacttttaggt	gtttaatttg	gaacacatac	catcaaaacc	ctgccactat	114960
cagatctctc	tcacattatg	gttggcatag	ttcaatcaag	aaaatatttt	agagcaaagt	115020
attttaatat	ttgtgggaga	gggtaaggga	tatagtaggt	caaaattaaa	acattctaga	115080
acaagagact	ggtagtaaca	aaggcatatg	gaaatgtctg	agtaacaacg	ggcagttatg	115140
aatcatgggt	agaaaacaga	aaaatgacag	attaaggctg	aagacataac	taaggtttta	115200
gacaaactgt	agagcccca	gttaccatca	tttaagttta	tttttacatt	tggaaaaaga	115260
agagtttgat	gataggttta	gtttaacagc	acaatcctaa	ttagagttaa	ttttgaggaa	115320
ggctatcaaa	ttcagttaca	ttgggtcatt	actgtcatga	atgttatctg	gattttgtcc	115380
aggaggcttg	ggctttcatg	tgaaagatcc	ttcatggaag	caattcatga	aggtggagtg	115440
ttctaattgg	ggagagaaa	gcgaaagatg	agctctggag	gaggcttcat	gcagcttacc	115500
taggtgtgca	cagctcacac	tgcagagcaa	aggagagaat	ccagagaccc	tgccaattca	115560
cactgcagga	ggagagcaca	gatcaaatga	tataacctaga	attgggccta	ataatctaac	115620
ggtgatgtcc	tctataactt	acagttgata	cgtatgaaaa	agccaataaa	tgtcaatgac	115680
agataagttc	caaacactgc	tctgaggatc	aattttatct	gattgaaatg	atgagccctc	115740
ccccactgtg	aagcagacag	ttgatattct	tcacttcact	gacaaggcat	gctgttatta	115800
ttttcttttc	ctgatattag	gaaggctacc	aagactatga	gcctgaagcc	taagaatgtc	115860
attgcaccca	atctcctaag	atctgccggc	tgctcttcca	tggcgtacaa	gtgctcagtt	115920
ccaatgtgcc	cagtcattgac	cttttctcaa	agctgtacag	tgtgtttcaa	agtcttccat	115980
cagcagtgat	cggcgtcctg	tacctgcccc	tcagcatccc	ggtgctcccc	tctcactaca	116040
gtgaaaacct	ggtagcaggg	tcttgtgtgc	tgtggatatt	gttgtggctt	cacacttaaa	116100
ttgttagaag	aaacttaaaa	cacctaagtg	actaccactt	atttctaaat	cttcatcggt	116160
ttctttttgt	tgctgttctt	aagaagttgt	gatttgctcc	aagagtttta	ggtgtcctga	116220
atgactcttt	ctgtctaaga	atgatgtgtt	gtgaaatttg	ttaatataa	ttttaaaatt	116280
atgtgagcat	gagactatgc	acctataaat	attaatttat	gaattttaca	gttttgtgat	116340
gtgtttttatt	aacttgtgtt	tgtatataaa	tgggtggaaa	taaaataaaa	tattatccat	116400
tgcaaaatct	ttcctgggtc	cttttacttt	agtaacaaaa	tcatgcatat	cgggaacatg	116460
aacatttaaat	gacaactgac	acagtgaact	ggaatgaaaa	gttgcaacat	gtcttaagga	116520
accgagggga	tttagagatg	gaacagcagg	aaggattctc	cagtgagatt	gaacacagcc	116580
agcttttatct	acagttctgc	tcagagctgt	ggctgcactt	gaggaaacac	ttcattggaa	116640
ctaaaacgtg	tgagggatag	tgaactttta	catattcata	agacacatta	gcatatcaga	116700
ggcaggccat	tgaagaacct	taatttggaa	tttatggcat	gtatatgtgt	gtgtgtgtgt	116760

p11089.5T25.txt

gtgtgtgtgt gtgtgtatTT gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt 116820
 ataaaagaac ccaggaaata ccttaaaact cctcaggagac cccaggcagt gggctatgta 116880
 tatgatacct tagcaggtag gcaaaggtaa aagcaaaatg gaacaaaagg caatgtcaat 116940
 ttgtgaataa cagggaattg ggaatatctt ttaggaaaag gtttcttttag ataggcttaa 117000
 ttacccatga atgaagacaa aaacttgact gactgagaaa ttactcagtt catcttccta 117060
 attattcaga agaaaaccag caaagccaca gtgaaaacca cttgcagaga gtacactttc 117120
 tgtaacgaat attgttgctc ctgtacggtc atgagtaatt gatgtgtgtt ggacagttag 117180
 aggaacagaa gaggagtggg agaccatgaa gatagcacca ctggaacttc cttctgcca 117240
 gttgagaaaa tactatggag tggtcagttg catgtgtgct ttgaccctgg aaataggtag 117300
 taactcctta tctaatttat gtttccttga agctgatgaa ggattcatta ttaaggtagc 117360
 ccagatgggtg tttagggtac attatatatt taccgaaagt accctcttct taaaaggaa 117420
 agatacaaac agaacacaat caaattgatg acaatgacaa tgagcagtggt aggactggag 117480
 gcagactgtg cttgaccttg agaactgcta ttgatgggta tggatttgta aagctcttct 117540
 tctcttaagc agtgccacgc tgtcaatgtg cgaacagtta atgagttttt gctgttttagc 117600
 tttcttttat cttagagtgt tttcactcac cacctaaagg aagctcctta gttcacacaa 117660
 gccctggtag gagtccagcc cttgagaagt gcagctctgag gatgcctctt gactagagct 117720
 ttagctttcc agatttaaatt cccaagtcag agctgtttga tttgtaatga gtccacgaag 117780
 gactttaaag aaagccgtcc acagcaggct tgggccccac aattggcagc actacacaat 117840
 caaatgtaca ctttggaatt tcaacttttg ctttcttttc aaaagtctct tctccagatt 117900
 gtaagatgca agtatacttc ataatttgta tagctatttg tggcataatg gaatttatac 117960
 atagggtgtc atacaactag tacacttata atctattcag agccaggagg cttatggttt 118020
 gagacactgt ctcaggaaac atattcagaa tgtttctgcc tctaattcct ggaggagtaa 118080
 tttaaaagca ttgtgatttt atgtgccata tgattgctaa gtgtgtctct tattctaata 118140
 actgatctat cgatatctat ctatctatct atcatctatc tatctatcta tctatctatc 118200
 tatctatcaa tcatctatct atctatctat ctatctatct atctatctat atcatctatc 118260
 atctatcgat ctatctctca tccgtgggtt gcacatagct cccagtgcata agaatttctt 118320
 aactcttggt ctgatgaaat gcacacaatt tggcttctga agctggctga tgtataagag 118380
 agaaaggact atatttacct caatcagcac aaggatggca gtagatatct ctgtaagaaa 118440
 gaagagcaaa atgaagagct aacttagcta accaaagttt ggcattgatag atgaggagtt 118500
 aggcattaag ggctaaaaat agtagaaaac tatattttta tgtttgaatt ttgtagaaga 118560
 ataaacagtt ttatagaact atgggttaact tcaaatgtca tatcacctaa tggaaatata 118620
 ctgagagggc tgacaaatcc agtttgattt tttcttgctt ctgttagtat tctttccttc 118680
 ggagatgggt gagtattact tgagggtctt cagagatgga aaggtcagag agaaggagga 118740

aggtaggggg gagagagaga gagagaaaga gagagag p11089.ST25.txt 118777

<210> 11
 <211> 4047
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)..(4047)
 <223> LOCUS Drpla 4047 bp mRNA linear R
 OD 16-MAY-2002
 DEFINITION Mus musculus dentatorubral pallidoluysian atrophy (Dr
 pla), mRNA.
 ACCESSION XM_132846

<300>
 <308> XM_132846
 <309> 2002-05-16
 <313> (1)..(4047)

<400> 11
 cacgacagaa taaagactcg atgtcaatga ggagtggacg gaagaaagag gccccgggc 60
 cccgggaaga gctgagatca aggggccggg cctcccctgg aggggtcagc acatccagca 120
 gtgatggcaa agctgagaag tccaggcaga cagccaagaa ggcccggata gaggagccct 180
 ctgccccaaa ggccagcaag cagggccgga gcgaggagat ctgagagagt gagagcgagg 240
 agaccagtgc gcccataaag accaaaaccg agcaggagct ccctcgcccg cagtctccct 300
 cggatctgga cagcttgat gggcgcagca ttaacgatga cggcagcagc gaccctagag 360
 atatagacca ggacaaccga agcacatccc ccagcatcta cagcccgggc agcgtggaaa 420
 atgactcgga ctcatcctct ggcctgtccc agggccccgc ccgcccctac caccacctc 480
 cactcttccc tccttcccct ccaccaccag acagcactcc ccgacagcca gagtctggct 540
 ttgaacctca tccttctgtg ccgcctactg gatatcatgc tccgatggag cccccacat 600
 cgagattatt ccagggccca ccacctggag ctctctccac acaccacag ctctaccctg 660
 ggaatgctag tggaggtgtt ttatctggac ccccatggg tcccaaaggg ggagccgctg 720
 cctctcagt ggggtgcccct agcggaggca agcaacacc cccaccact accccaattc 780
 caatatcaag ttctggggcc agtgggtgctc ctccagcaaa gccaccagt gctccagtgg 840
 gtggtgggag cttaccttct gcaccaccac cagcttcttt ccccatgtg acaccaaacc 900
 tgcctcctcc acctgccctg agaccctca acaatgcctc agcctctcct cctggcatgg 960
 gggctcagcc aatccctggg catctgccct ctcccatgc catggggcag ggcagagtg 1020
 gacttctctc tggcccagag aagggtccaa ccctggcccc ttctccccac ctttgcccc 1080
 cagcttcttc ctctgcccct gggcctccaa tgcgatatcc atattcatcc tccagtagct 1140
 ctgccgcagc ctcttctagt tcctcctcct cctctgcctc ccagtaccct gcttcccagg 1200
 ccctgcccag ttatcctcat tccttcccc caccaactag tatgtctgtc tctaatacagc 1260
 caccgaagta caccagcct tctctcccat cccaagctgt gtggagccag ggtccacctc 1320

p11089.ST25.txt

ctcctcctcc	ctatggccgc	ctcttggcca	acaacaacac	ccatccaggc	cctttccctc	1380
ctactggggg	tcaatctaca	gcccacccag	cagcccctac	acatcaccat	caccagcagc	1440
agccacagca	acaacatcat	catggaaact	ctgggcccc	tccacccgga	gcgtatcctc	1500
accctctaga	gagcagtaac	tcccatcatg	cacaccctta	caacatgtca	ccctccctgg	1560
ggtctttaag	gccctacccc	ccagggccag	cacacctgcc	tccacctcat	ggccagggtg	1620
cctataacca	agcagggtccc	aatgggtccc	cagtttcttc	ttccaactct	tccgggtctt	1680
cctctcaagc	ctcctattca	tgttcacacc	cctcttcatc	ccagggcccc	caaggagcat	1740
cctacccctt	cccaccagtc	cctccagtca	ccacctcctc	agctaccctt	tccactgtca	1800
tcgccaccgt	ggcttcctcg	ccagcagggt	acaaaacagc	ttcgccacct	gggccccctc	1860
agtacagcaa	gagagcccca	tccccagggt	cctacaagac	agccaccccg	cctggataca	1920
aaccggggtc	accaccctcc	ttcagaacag	ggaccccacc	cggctatcga	ggcacctctc	1980
cgccagcagg	cccagggacc	ttcaaaccag	gttcaccgac	cgtggggccg	gggcccctgc	2040
caccgcgggg	gccttcaagt	ttgtcatctc	tgcctccgcc	acctgcggcc	ccgactacag	2100
ggccgcccct	gaccgccacg	cagatcaaac	aggagccggc	ggaagagtat	gaacctcccc	2160
agagtccggt	gcctccggcc	cgcagcccct	cgccccctcc	caagggtggtg	gacgtgcccc	2220
gccatgccag	ccagtcagcc	aggttcaata	agcacttgga	ccgcggcttc	aactcgtgcg	2280
cgcgcagcga	cctgtacttc	gtgccgctgg	agggtccaa	gctggccaag	aagcgcgcgg	2340
acctggtgga	gaaagtgcgg	cgcgaggccg	agcagcgcgc	gcgcgaggag	aaagagcgcg	2400
agcgcgagcg	ggaacgcgaa	aaggagcgcg	agcgcgagaa	agagcgcgag	ctggagcgca	2460
gtgtgaaact	ggcccaggag	ggccgtgctc	cagtggagtg	cccatctctg	ggtccagtgc	2520
cccatcggcc	tccctttgag	cctggcagcg	ctgtggctac	agtgtcccct	tacctgggtc	2580
ctgatactcc	ggccttgccg	actctcagtg	aatacgcccc	acctcatgtc	atgtctcctg	2640
gcaatcgcaa	ccaccatttc	tatgtgccct	tgggggcagt	ggacccgggg	cttctggggt	2700
acaatgtccc	agccctgtac	agcagcgacc	cagctgcccc	agaacgggag	cggaagccc	2760
gtgaacgtga	cctccgtgac	cggctcaagc	ctggctttga	ggtgaaacct	agtgaactgg	2820
aacccttaca	tgggggtccc	gggccaggcc	tggatccctt	cccccgacac	gggggcctgg	2880
ctctacagcc	cgggccacct	ggcctgcac	ctttcccttt	tcacccgagc	ctggggcccc	2940
tggaacgaga	acggctagcg	ctggcagctg	ggccagcctt	gcgtcctgac	atgtcttatg	3000
ctgagcgggt	ggcagctgaa	aggcagcatg	cagaaagggg	ggcagccctg	ggcaatgatc	3060
cactagcccc	gctgcagatg	ctcaacgtga	ctccccatca	ccaccagcac	tcccacatcc	3120
actctcacct	tcacctgcac	cagcaggatg	ctatccacgc	agcctctgcc	tcggtgcacc	3180
ctctcattga	ccccctggcc	tcagggtctc	accttaccgc	gatcccctac	ccagctggga	3240
ccctcccaa	cccccttctt	cctcacctc	tgcacgagaa	cgaagtctt	cgtcaccagc	3300

p11089.ST25.txt

```

tttttgctgc cccttaccgg gacctgccgg cctccctttc tgctccaatg tcagcggctc 3360
atcagctgca ggccatgcac gcgcagtcag ctgagctgca gcgcttggcg ctggaacagc 3420
agcagtggct acatgctcat caccattgac acagcgtgcc actacctgcc caggaagact 3480
actacagtca cctgaagaag gagagtgaca agccgctgta gagctgcgat ccagacagca 3540
cccactgctc cttcatccag accttgagg accaccccaa ctttttgacc ccaccccacc 3600
cccagccgag gagaggggtgc tgcccgttg cagagctcct gcagctgggt agagggaggg 3660
aggaagaag ggacagacaa ggtcagggcc cggggttgtg tgcagaggtg ggaagtggca 3720
aggggtgggg cagaaagtgc acagtatctt ggaccaggtc cctcctccta tcccctgctt 3780
ttcttctcct ctatgccgaa tccttggtgg cactgcccc tcccctaacc cattggtgtg 3840
atTTTTTTtca tctgttagat gtggctgttt tgcgtagcat tgtgtgctgc cccgccccat 3900
ccctgtgtgt gcacccccct cctcggcgat atgtgccctt acccgtcca cattaataat 3960
ttatatatat aaatatctat atgatgctct taaaaaaca tcctgaccaa aaccaaccaa 4020
acaaaaacat cctcacagtt ccccagg 4047

```

```

<210> 12
<211> 10033
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)..(10033)
<223> LOCUS MMU24233 10033 bp mRNA linear R
OD 18-JUL-1995
DEFINITION Mus musculus huntingtin (Hd) mRNA, complete cds.
ACCESSION U24233

```

```

<300>
<308> U24233
<309> 1995-07-18
<313> (1)..(10033)

```

```

<400> 12
ggctgagcgc cttggttccg cttctgcctg ccgcgcagag cccattcat tgccttgctg 60
ctaagtggcg ccgcgtagtg ccagtaggct ccaagtcttc agggctctgtc ccatcgggca 120
ggaagccgtc atggcaaccc tggaaaagct gatgaaggct ttcgagtcgc tcaagtcgtt 180
tcagcagcaa cagcagcagc agccaccgcc gcaggcgccg ccgccaccgc cgccgcctcc 240
gcctcaaccc cctcagccgc cgcctcaggg gcagccgccg ccgccaccac cgccgctgcc 300
aggtccggca gaggaaccgc tgcaccgacc aaagaaggaa ctctcagcca ccaagaaaga 360
ccgtgtgaat cattgtctaa caatatgtga aaacattgtg gcacagtctc tcagaaattc 420
tccagaattt cagaaactct tgggcatcgc tatggaactg tttctgctgt gcagtaacga 480
tgcggagtca gatgtcagaa tgggtggctga tgagtgcctc aacaaagtca tcaaagcttt 540
gatggattct aatcttccaa ggctacagtt agaactctat aaggaaatta aaaagaatgg 600

```

p11089.ST25.txt

tgctcctcga agtttgcgtg ctgccctgtg	gaggtttgct gagctggctc acctggttcg	660
acctcagaag tgcaggcctt acctggtgaa	tcttcttcca tgcctgaccc gaacaagcaa	720
aagaccggag gaatccgttc aggagacctt	ggctgcagct gttcctaaaa ttatggcttc	780
ttttggcaat ttcgcaaatg acaatgaaat	taaggttctg ttgaaagctt tcatagcaaa	840
tctgaagtca agctctccca ctgtgcggcg	gacagcagcc ggctcagccg tgagcatctg	900
ccaacattct aggaggacac agtacttcta	caactggctc cttaatgtcc tcctaggtct	960
gctggttccc atggaagaag agcactccac	tctcctgata ctcggtgtgt tgctcacatt	1020
gaggtgtcta gtgcccttgc tccagcagca	ggtcaaggac acaagtctaa aaggcagctt	1080
tggggtgaca cggaaagaaa tggaagtctc	tccttctaca gagcagcttg tccaggttta	1140
tgaactgact ttgcatcata ctacgacca	agaccacaat gtggtgacag gggcactgga	1200
gctcctgcag cagctcttcc gtacccttcc	acctgaactc ctgcaagcac tgaccacacc	1260
aggagggctt gggcagctca ctctggttca	agaagaggcc cggggccgag gccgcagcg	1320
gagcatcgtg gagcttttag ctggaggggg	ttcctcgtgc agccctgtcc tctcaagaaa	1380
gcagaaaggc aaagtgtctt taggagagga	agaagccttg gaagatgact cggagtccag	1440
gtcagatgtc agcagctcag cttttgcagc	ctctgtgaag agtgagattg gtggagagct	1500
cgctgcttct tcagggtgtt ccactcctgg	ttctgttggg cacgacatca tctactgagca	1560
gcctagatcc cagcacacac ttcaagcaga	ctctgtggat ttgtccggct gtgacctgac	1620
cagtgtgtgt actgatgggg atgaggagga	catcttgagc cacagctcca gccagttcag	1680
tgctgtccca tccgaccctg ccatggacct	gaatgatggg acccaggcct cctcacccat	1740
cagtgtgagt tctcagacca ccactgaagg	acctgattca gctgtgactc cttcggacag	1800
ttctgaaatt gtgttagatg gtgccgatag	ccagtattta ggcatgcaga taggacagcc	1860
acaggaggac gatgaggagg gagctgcagg	tgttctttct ggtgaagtct cagatgtttt	1920
cagaaactct tctctggccc ttcaacaggc	acacttgttg gaaagaatgg gccatagcag	1980
gcagccttcc gacagcagta tagataagta	tgtaacaaga gatgaggttg ctgaagccag	2040
tgatccagaa agcaagcctt gccgaatcaa	aggtgacata ggacagccta atgatgatga	2100
ttctgtctct ctggtacatt gtgtccgtct	tttatctgct tcctttttgt taactggtga	2160
aaagaaagca ctggttccag acagagacgt	gagagtcagt gtgaaggccc tggccctcag	2220
ctgcattggt gcggctgtgg ccttcatcc	agagtcgttc ttcagcagac tgtacaaagt	2280
acctcttaat accacggaaa gtactgagga	acagtatgtt tctgacatct tgaactacat	2340
cgatcatgga gaccacagg tccgaggagc	tactgccatt ctctgtggga ccttgtctta	2400
ctccatcctc agtaggtccc gtctccgtgt	tggtgactgg ctgggcaaca tcagaaccct	2460
gacaggaaat acattttctc tgggtggactg	catttccttta ctgcagaaaa cgttgaagga	2520
tgaatcttct gttacttgca agttggcttg	tacagctgtg aggcactgtg tcctgagtct	2580
ttgcagcagc agctacagtg acttgggatt	acaactgctt attgatatgc tgcctctgaa	2640

p11089.ST25.txt

gaacagctcc	tactggctgg	tgaggaccga	actgctggac	actctggcag	agattgactt	2700
caggctcgtg	agtttttttg	aggcaaaagc	agaaagttta	caccgagggg	ctcatcatta	2760
tacagggttt	ctaaaactac	aagaacgagt	actcaataat	gtggtcattt	atttgcttgg	2820
agatgaagac	cccagggttc	gacatgttgc	tgcaacatca	ttaacaaggc	ttgtcccaaa	2880
gctgttttac	aagtgtgacc	aaggacaagc	tgatccagtt	gtggctgtag	cgagggatca	2940
gagcagtgtc	tacctgaagc	tcctcatgca	tgagaccag	ccaccatcac	acttttctgt	3000
cagcaccatc	accagaatct	atagaggcta	tagcttactg	ccaagtataa	cagatgtcac	3060
catggaaaac	aatctctcaa	gagttgttgc	cgcagtttct	catgaactca	ttacgtcaac	3120
aacacgggca	ctcacatttg	gatgctgtga	agccttgtgt	cttctctcag	cagcctttcc	3180
agtttgcact	tggagtttag	gatggcactg	tggagtgtcc	ccactgagtg	cctctgatga	3240
gtccaggaag	agctgcactg	ttgggatggc	ctccatgatt	ctcaccttgc	tttcatcagc	3300
ttggttccca	ctggatctct	cagcccatca	ggatgccttg	attttggctg	gaaacttgct	3360
agcagcgagt	gcccccaagt	ctctgagaag	ttcatggacc	tctgaagaag	aagccaactc	3420
agcagccacc	agacaggagg	aaatctggcc	tgctctgggg	gatcggactc	tagtgccctt	3480
ggtggagcag	cttttctccc	acctgctgaa	ggtgatcaat	atctgtgctc	atgtcttgga	3540
cgatgtgact	cctggaccag	caatcaaggc	agccttgctt	tctctaacaa	accccccttc	3600
tctaagtcct	attcgacgga	aaggggaagg	gaaagaacct	ggagaacaag	cttctactcc	3660
aatgagtccc	aagaaagtig	gtgaggccag	tgcagcctct	cgacaatcag	acacctcagg	3720
acctgtcaca	gcaagtaa	catcctcact	ggggagtttc	taccatctcc	cctcctacct	3780
caaactgcat	gatgtcctga	aagccactca	cgccaactat	aaggtcacct	tagatcttca	3840
gaacagcact	gaaaagtttg	gggggttcct	gcgctctgcc	ttggacgtcc	tttctcagat	3900
tctagagctg	gcgacactgc	aggacattgg	aaagtgtgtt	gaagagggtcc	ttggatacct	3960
gaaatcctgc	tttagtcgag	aaccaatgat	ggcaactgtc	tgtgtgcagc	agctattgaa	4020
gactctcttt	gggacaaact	tagcctcaca	gtttgatggc	ttatcttcca	accccagcaa	4080
gtctcagtgc	cgagctcagc	gccttggctc	ttcaagtgtg	aggcccggct	tatatcacta	4140
ctgcttcatg	gcaccataca	cgcacttcac	acaggccttg	gctgacgcaa	gcctgaggaa	4200
catggtgcag	gcggagcagg	agcgtgatgc	ctcgggggtg	tttgatgtac	tccagaaagt	4260
gtctgcccaa	ttgaagacga	acctaacaag	cgtcacaaag	aaccgtgcag	ataagaatgc	4320
tattcataat	cacattaggt	tattttgagc	tcttgttata	aaagcattga	agcagtacac	4380
cacgacaaca	tctgtacaat	tgcagaagca	ggttttggat	ttgctggcac	agctgggttca	4440
gctacgggtc	aattactgtc	tactggattc	agaccaggtg	ttcatcgggt	ttgtgctgaa	4500
gcagtttgag	tacattgaag	tgggccagtt	cagggaaatca	gaggcaatta	ttccaaatat	4560
atttttcttc	ctggtattac	tgtcttatga	gcgctaccat	tcaaaacaga	tcattggaat	4620

p11089.ST25.txt

tcctaaaatc	atccagctgt	gtgatggcat	catggccagt	ggaaggaagg	ccgttacaca	4680
tgctatacct	gctctgcagc	ccattgtcca	tgacctcttt	gtgttacgag	gaacaaataa	4740
agctgatgca	gggaaagagc	ttgagacaca	gaaggaggtg	gtggtctcca	tgctgttacg	4800
actcatccag	taccatcagg	tgctggagat	gttcatcctt	gtcctacagc	agtgccacaa	4860
ggagaatgag	gacaagtgga	aacggctctc	tcggcaggct	gcagacatca	tcctgccccat	4920
gttggccaaag	cagcagatgc	atattgactc	tcatgaagcc	cttgaggagt	taaatacctt	4980
gtttgagatt	ttggctcctt	cctccctacg	tcctgtggac	atgcttttgc	ggagtatgtt	5040
catcactcca	agcacaatgg	catctgtaag	cactgtgcag	ctgtggatat	ctggaatcct	5100
cgccattctg	agggttctca	tttcccagtc	aaccgaggac	attgttcttt	gtcgtattca	5160
ggagctctcc	ttctctccac	acttgctctc	ctgtccagtg	attaacaggt	taaggggtgg	5220
aggcggtaat	gtaacactag	gagaatgcag	cgaagggaaa	caaaagagtt	tgccagaaga	5280
tacatttctca	aggtttcttt	tacagctggg	tggtattctt	ctagaagaca	tcgttacaaa	5340
acagctcaaa	gtggacatga	gtgaacagca	gcatacgttc	tactgccaag	agctaggcac	5400
actgctcatg	tgtctgatcc	acatatccaa	atctggaatg	ttccggagaa	tcacagcagc	5460
tgccactaga	ctcttcacca	gtgatggctg	tgaaggcagc	ttctatactc	tagagagcct	5520
gaatgcacgg	gtccgatcca	tggtgcccac	gcaccagacc	ctggtactgc	tctggtgtca	5580
gacctaactt	ctcatcaacc	acactgacca	ccggtggtgg	gcagaggtgc	agcagacacc	5640
caagagacac	agtctgtcct	gcacgaagtc	acttaacccc	cagaagtctg	gcgaagagga	5700
ggattctggc	tcggcagctc	agctgggaat	gtgcaataga	gaaatagtgc	gaagaggggc	5760
ccttattctc	ttctgtgatt	atgtctgtca	gaatctccat	gactcagaac	acttaacatg	5820
gctcattgtg	aatcacattc	aagatctgat	cagcttgtct	catgagcctc	cagtacaaga	5880
ctttattagt	gccattcatc	gtaattctgc	agctagtggg	ctttttatcc	aggcaattca	5940
gtctcgctgt	gaaaatcttt	caacgccaac	cactctgaag	aaaacacttc	agtgccttga	6000
aggcatccat	ctcagccagt	ctggtgctgt	gctcacacta	tatgtggaca	ggctcctggg	6060
caccccttcc	cgtgcgctgg	ctcgcatggg	cgacaccctg	gcctgtcgcc	gggtagaaat	6120
gcttttggct	gcaaattttac	agagcagcat	ggcccagttg	ccagaggagg	aactaaacag	6180
aatccaagaa	cacctccaga	acagtgggct	tgacaaaaga	caccaaaggc	tctattcact	6240
gctggacaga	ttccgactct	ctactgtgca	ggactcactt	agccccttgc	ccccagtcac	6300
ttcccaccca	ctggatgggg	atgggcacac	atctctggaa	acagtgagtc	cagacaaaga	6360
ctggtacctc	cagcttgtca	gatcccagtg	ttggaccaga	tcagattctg	cactgctgga	6420
agggtgcagag	ctggtcaacc	gtatccctgc	tgaagatatg	aatgacttca	tgatgagctc	6480
ggagttcaac	ctaagccttt	tggtctcctg	tttaagcctt	ggcatgagcg	agattgctaa	6540
tggccaaaag	agtcccctct	ttgaagcagc	ccgtgggggtg	attctgaacc	gggtgaccag	6600
tgttgttcag	cagcttcctg	ctgtccatca	agtcttccag	cccttcctgc	ctatagagcc	6660

p11089.ST25.txt

cacggcctac	tggaacaagt	tgaatgatct	gcttggtgat	accacatcat	accagtctct	6720
gaccatactt	gcccgtgccc	tggcacagta	cctggtggtg	ctctccaaag	tgctgctca	6780
tttgcacctt	cctcctgaga	aggaggggga	cacggtgaag	tttgtggtaa	tgacagttga	6840
ggccctgtca	tggcatttga	tccatgagca	gatccactg	agtctggacc	tccaagccgg	6900
gctagactgc	tgctgcctgg	cactacaggt	gcctggcctc	tgggggggtgc	tgctctcccc	6960
agagtacgtg	actcatgcct	gctccctcat	ccattgtgtg	cgattcatcc	tggaagccat	7020
tgcagtacaa	cctggagacc	agcttctcgg	tcctgaaagc	aggtcacata	ctccaagagc	7080
tgtcagaaaag	gaggaagtag	actcagatat	acaaaacctc	agtcatgtca	cttcggcctg	7140
cgagatggtg	gcagacatgg	tggaatccct	gcagtcagtg	ctggccttgg	gccacaagag	7200
gaacagcacc	ctgccttcat	ttctcacagc	tgtgctgaag	aacattgtta	tcagtctggc	7260
ccgactcccc	ctagttaaca	gctatactcg	tgtgcctcct	ctggtatgga	aactcgggtg	7320
gtcacccaag	cctggagggg	atthttggcac	agtgtttcct	gagatccctg	tagagtctct	7380
ccaggagaag	gagatcctca	aggagttcat	ctaccgcatc	aacaccctag	ggtggaccaa	7440
tcgtacccag	ttcgaagaaa	cttgggccac	cctccttggg	gtcctggtga	ctcagcccct	7500
ggtgatggaa	caggaagaga	gcccaccaga	ggaagacaca	gaaagaacct	agatccatgt	7560
cctggctgtg	caggccatca	cctctctagt	gctcagtgca	atgaccgtgc	ctgtggctgg	7620
caatccagct	gtaagctgct	tggagcaaca	gccccggaac	aagccactga	aggctctcga	7680
taccagattt	ggaagaaagc	tgagcatgat	cagagggatt	gtagaacaag	aaatccaaga	7740
gatggtttcc	cagagagaga	atactgccac	tcaccattct	caccaggcgt	gggatcctgt	7800
cccttctctg	ttaccagcta	ctacaggtgc	tcttatcagc	catgacaagc	tgctgctgca	7860
gatcaaccca	gagcgggagc	caggcaacat	gagctacaag	ctggggccagg	tgtccataca	7920
ctccgtgtgg	ctgggaaata	acatcacacc	cctgagagag	gaggaatggg	atgaggaaga	7980
agaggaagaa	agtgatgtcc	ctgcaccaac	gtcaccacct	gtgtctccag	tcaattccag	8040
aaaacaccgt	gccgggggtg	atattcactc	ctgttcgcag	tttctgcttg	aattgtacag	8100
ccgatggatc	ctgccatcca	gtgcagccag	aaggaccccc	gtcatcctga	tcagtgaagt	8160
ggttcgatct	cttctttag	tgctcagactt	attcaccgaa	cgtaccagct	ttgaaatgat	8220
gtatctgacg	ctgacagaac	tacggagagt	gcacccttca	gaagatgaga	tcctcattca	8280
gtacctggtg	cctgccacct	gtaaggcagc	tgctgtcctt	ggaatggaca	aaactgtggc	8340
agagccagtc	agccgcctac	tggagagcac	actgaggagc	agccacctgc	ccagccagat	8400
cggagccctg	cacggcatcc	tctatgtgtt	ggagtgtgac	ctcttgatg	acactgcaaa	8460
gcagctcatt	ccagttgtta	gtgactatct	gctgtccaac	ctcaaaggaa	tagccactg	8520
cgtgaacatt	cacagccagc	agcatgtgct	ggtaatgtgt	gccactgctt	tctacctgat	8580
ggaaaactac	cctctggatg	tgggaccaga	atthttcagca	tctgtgatac	agatgtgtgg	8640

p11089.ST25.txt

```

agtaatgctg tctggaagtg aggagtccac cccctccatc atttaccact gtgccctccg 8700
gggtctggag cggctcctgc tgtctgagca gctatctcgg ctagacacag agtccttggt 8760
caagctaagt gtggacagag tgaatgtaca aagcccacac agggccatgg cagccctagg 8820
cctgatgctc acctgcatgt acacaggaaa ggaaaaagcc agtccaggca gagcttctga 8880
ccccagccct gctacacctg acagcgagtc tgtgattgta gctatggagc gagtgtctgt 8940
tctctttgat aggatccgca agggatttcc ctgtgaagcc agggttgtgg caaggatcct 9000
gcctcagttc ctagatgact tctttccacc tcaagatgtc atgaacaaag tcattggaga 9060
gttcctgtcc aatcagcagc catacccaca gttcatggcc actgtagttt acaagggttt 9120
tcagactctg cacagtgtg ggcagtcac catgggtccgg gactgggtca tgctgtccct 9180
gtccaacttc acacaaagaa cttcagttgc catggccatg tggagcctct cctgcttcct 9240
tgtttagcga tctaccagcc catgggtttc tgcgatcctt ccacatgtca tcagcaggat 9300
gggcaaaactg gaacaggtgg atgtgaacct tttctgcctg gttgccacag acttctacag 9360
acaccagata gaggaggaat tcgaccgcag ggctttccag tctgtgtttg aggtggtggc 9420
ggcaccagga agtccatacc acaggctgct tgcttgtttg caaaatgttc acaaggctac 9480
cacctgctga gtagtgctg tgggacaaaa ggctgaaaga aggcagctgc tggggcctga 9540
gcctccagga gcctgctcca agcttctgct ggggctgcct tggccgtgca ggcttccact 9600
tgtgtcaagt ggacagccag gcaatggcag gagtgccttg caatgagggc tatgcaggga 9660
acatgcacta tgttgggggt gagcctgagt cctgggtcct ggcctcgctg cagctggtga 9720
cagtgtctagg ttgaccaggt gtttgtcttt ttctagtgt tcccctggcc atagtcgcca 9780
ggttgcagct gccctggtat gtggatcaga agtcctagct cttgccagat ggttctgagc 9840
ccgcctgctc cactgggctg gagagctccc tcccacattt acccagtagg catacctgcc 9900
acaccagtgt ctggacacaa aatgaatggt gtgtggggct gggaaactggg gctgccaggt 9960
gtccagcacc attttccttt ctgtgttttc ttctcaggag ttaaaattta attatatcag 10020
taaagagatt aat 10033

```

```

<210> 13
<211> 3616
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)..(3616)
<223> LOCUS Sca1 3616 bp mRNA linear R
OD 07-JAN-2002
DEFINITION Mus musculus spinocerebellar ataxia 1 homolog (human)
(Sca1), mRNA.
ACCESSION NM_009124

```

```

<300>
<308> NM_009124
<309> 2002-01-07

```

<313> (1)..(3616)

<400> 13

ctcttcctcc	actccctcca	caggaagggc	gtcacctgtc	agattgcggc	atcctggaac	60
agaatgaaag	gatctgtgtt	gaaacagcta	cagtaggggt	acagtagacc	ctgagaaaac	120
agagtggact	tcagcctgca	cggatgagct	tgaagcagga	atggtttggg	ttcaggcctc	180
ttacactgaa	tttctctact	gccacccttt	ctactcaagc	aacatcttac	ggaaaagatc	240
tcccgggaag	gaagtggctg	cttgtggctt	tgactgtga	tgaaggcaaa	tggtacagtt	300
ttccaaagaa	aatagaccaa	aactttcttc	ttgagaagaa	acaaacctgc	tggtggcaga	360
gggtattttct	aacctctctg	cgaaagaaag	aaagacacca	ccagaacctg	ggcatcccag	420
ctgctgaggg	aagtttccat	ggtgaagtct	cagggaggct	tcctgggagc	agagcatagt	480
gaatgctaata	ccggagctgc	cactgccagc	ctaaagaacc	cacgggagat	gattccccat	540
gaagggcctg	gatcccctac	agaaatccaa	tgtgactctc	tgtttatcag	actaaaacca	600
gagccggcca	gccagtgaag	cagccaccgt	ggagggggga	cggcgaaaaa	tgaaatccaa	660
ccaagagcgg	acgaacgaat	gcctgcctcc	caagaaacgt	gagatccccg	ccaccagccg	720
gccctcggag	gagaaggcca	ctgctctgcc	cagcgacaac	cactgcgtgg	aggggtgtggc	780
ctggctcccc	agcaccctctg	gcatccgcgg	ccatgggggt	gggcggcacg	ggtcagcagg	840
gacttcgggg	gagcatgggt	tacaaggaat	gggtttactt	aaagcactgt	ccgcagggct	900
ggattactcc	ccaccagtg	cccccaggtc	agtccccaca	gccaacacgc	tgcccaccgt	960
gtaccctcct	cctcagtcag	ggaccccggt	gtctcctgtg	cagtacgccc	acctttcgca	1020
taccttccag	ttcattgggt	cctcccaata	cagtgggcct	tacgcgggct	ttatcccttc	1080
ccagctgata	tccccatcag	gcaacccgggt	caccagtgca	gtagcctcag	ctgcaggggc	1140
caccactcca	tcacagcgct	cccagctgga	ggcttatttc	accctgctgg	ccaacatggg	1200
cagtctgagc	caggcaccag	gacataaggt	tgagccccct	ccgcagcagc	acctcagcag	1260
ggctgcagga	ttagtcaacc	cggggtcccc	tcctccaccc	accagcaga	accagtacat	1320
ccatattttcc	agctctccac	agagctccgg	gcgggcgaca	tctccccac	ccatcccgggt	1380
ccacctccat	ccccatcaga	cgatgatccc	gcacacactc	accctggggc	cttcatccca	1440
ggtggttgtg	caatatagtg	atgccggagg	ccactttgtt	cctcgagagt	ccaccaaaaa	1500
agccgagagc	agcagggttg	agcaggctat	gcaagccaag	gaagtcctga	atggggagat	1560
ggagaaaagc	cggagggtatg	gggcatcatc	ttctgtggag	ctgagcctag	gcaaggcaag	1620
cagtaagtca	gtgcctcatc	cctatgagtc	caggcatgtg	gtgggtccacc	caagcccagc	1680
agactacagc	agtcgtgata	cctccgggggt	ccgtggatct	gtgatggttc	tgccctaatag	1740
cagcacaccc	tcagccgacc	tggaggccca	gcagaccacg	catcgagagg	cctccccatc	1800
caccctcaat	gacaagagcg	gcctggcacc	taggaagccg	ggccacaggt	cttatgcgct	1860
gtccccccac	acggtcattc	agaccacaca	cagtgcata	gagcctctcc	cgggtgggcct	1920

p11089.ST25.txt

accagccacg	gccttctacg	ctggcactca	acctcctgtc	atcgggtacc	tgagcggcca	1980
gcagcaagca	atcacctatg	ctggtggtct	gccgcagcac	ctggtgatcc	caggtaacca	2040
gcccttgctc	atcccgggtg	gcagccctga	catggacatg	cctggggcag	cctcggccat	2100
cgtgacgtca	tcaccccagt	ttgctgcagt	acctcacacg	tttgtcacca	ccgccctgcc	2160
caagagcgag	aacttcaacc	cagaggctct	ggtcacccag	gcgtcctacc	cagccatggt	2220
gcaggcccag	atccacctgc	cggtggtgca	gtccgtggcg	tccccacca	cggcgtctcc	2280
cacgtgccc	ccatatttca	tgaaaggctc	catcatccag	ctggccaacg	gggagctgaa	2340
gaaggtggag	gacctgaaga	cggaggattt	catccagagt	gcagagatta	gcaatgacct	2400
caagatccac	tccagtactg	tggagagaat	cgaggagagc	cacagccccg	gggtggccgt	2460
gatacagttt	gctgttggtg	aacaccgagc	ccaggtcagt	gtcgaagtct	tggtagagta	2520
tccttttttt	gtatttggtg	agggctggtc	atcctgctgt	cctgagcgga	ccagccagct	2580
ctttgatctg	ccgtgttcca	aactctctgt	tggggacgtc	tgcattctgc	tcaccctcaa	2640
gaacctgaag	aatggctctg	ttaaaaagg	ccagcctgtg	gaccctgcc	gcgtcctgct	2700
gaagcaggta	aagaccgaca	gcctggctgg	cagcagacac	agatacgcg	agcaggaaaa	2760
cggaatcaac	caggggaagc	cccagggtg	ctctgagaat	ggcgaactga	agtttccaga	2820
aaaaatagga	ttgcctgcag	cacccttcct	cagcaaaata	gaaccgagca	aaccacagc	2880
cacgaggaag	aggaggaggt	ggtcggcgcc	ggagaccctg	aaactggaga	agtcggagga	2940
cgagccacct	ttgactcttc	ccaagccttc	gctcattcct	caggagggtta	agatctgcat	3000
cgaaggccga	tctaacgtgg	gcaagtagag	accttgcgag	cagcggaggc	ccggggctct	3060
tttactgtct	gtatccagat	tactgtactg	taggctaagt	aacacagtat	ttacatgtta	3120
catcctcttt	aggtttgtat	tctaaccttg	tcattagagt	caaacagggtg	tgtcgcagga	3180
gactggtgcg	tttgattgtg	ctgcaagggt	ctgttgagga	gctggtgggt	tggaggatgg	3240
tcagaaccat	gtccatggag	ctcccgggca	tccttagtgg	ccctgaatgt	ggcttcatca	3300
gccctgcct	tctccggcag	tgtgcagagt	cgaggggcat	cagttccac	tggtttcaag	3360
aacaaacaca	gtgggaagta	tcctgcaagg	gagtgtctgg	gtgctgttcc	cttgtgaagg	3420
agtgcgagt	aggggtgtct	tttctctgcc	tctgtctccc	tcacttgctc	cctctcagtg	3480
tggggttggg	ggacctgggt	ttccacctg	caaagtcac	agggaaacca	gcttccaggc	3540
attgtagga	gacatcagac	aggcggatgg	gaaactagtt	tcaaagaacg	tggttctctc	3600
caacatattt	tacaat					3616

<210> 14
 <211> 1543
 <212> RNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(1543)

p11089.ST25.txt
 <223> LOCUS SNCA 1543 bp mRNA linear P
 RI 05-NOV-2002
 DEFINITION Homo sapiens synuclein, alpha (non A4 component of amyloid precursor) (SNCA), transcript variant NACP140, mRNA.
 ACCESSION NM_000345: VERSION NM_000345.2 GI:6806896

<300>
 <308> NM_000345
 <309> 2002-11-05
 <313> (1)..(1543)

<400> 14
 ggaguggcca uucgacgaca guguggugua aaggaauuca uuagccaugg auguauucau 60
 gaaaggacuu ucaaaggcca aggagggagu uguggcugcu gcugagaaaa ccaaacaggg 120
 uguggcagaa gcagcaggaa agacaaaaga ggguguucuc uauguaggcu ccaaaaccaa 180
 ggagggagug gugcauggug uggcaacagu ggcugagaag accaaagagc aagugacaaa 240
 uguuggagga gcagugguga cgggugugac agcaguagcc cagaagacag uggagggagc 300
 agggagcauu gcagcagcca cuggcuuugu caaaaaggac caguugggca agaauagaaga 360
 aggagcccca caggaaggaa uucuggaaga uaugccugug gauccugaca augaggcuua 420
 ugaaaugccu ucugaggaag gguaucaaga cuacgaaccu gaagccuaag aaauaucuuu 480
 gcucccaguu ucuugagauc ugcugacaga uguuccaucc uguacaagug cucaguucca 540
 augugcccag ucaugacauu ucucaaaguu uuuacagugu aucucgaagu cuuccaucag 600
 cagugauuga aguaucugua ccugcccca cucagcauuu cggugcuucc cuuucacuga 660
 agugaauaca ugguagcagg gucuuugugu gcuguggauu uuguggcuuc aaucuaacgau 720
 guuaaaacaa auuaaaacaa ccuaagugac uaccacuuau uucuaaaucc ucacuaauuuu 780
 uuuguugcug uuguucagaa guuguuagug auuugcuauc auauuuuaua agauuuuuag 840
 gugucuuuuu augauacugu cuaagaauaa ugacguauug ugaaauuugu uaauauauau 900
 aaauacuuaa aaauaugugag caugaaacua ugcaccuaa aaauacuuaa augaaauuuu 960
 accauuuugc gauguguuuu auucacuugu guuuguauau aaauuggugag aaauaaaaua 1020
 aaacguuauc ucauugcaaa aaauuuuuau uuuuauccca ucucacuuaa auauaaaaaa 1080
 ucaugcuuau aagcaacaug aaauaagaac ugacacaaag gacaaaaaua uaaaguuaau 1140
 aaauagccau ugaagaagga ggaauuuuag aagagguaga gaaaauaggaa cauuuacccu 1200
 acacucggaa uuuccugaag caacacugcc agaagugugu uuugguauug acugguuccu 1260
 uaaguggcug ugauuaauua uugaaagugg gguguugaag accccaacua cuauuguaga 1320
 guggucuaau ucucccuca auccugucua uguuugcuuu auguauuuug gggaacuguu 1380
 guuugaugug uauguguuuu aaauuguuau acauuuuuaa uugagccuuu uauuaacaua 1440
 uauuguuauu uuugucucga aaauuuuuu uaguuaaaau cuauuuuguc ugauauuggu 1500
 gugaaugcug uaccuuucug acauuaaaau auauucgacc aug 1543

p11089.ST25.txt

<210> 15
 <211> 10660
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(10660)
 <223> LOCUS SCA1 10660 bp mRNA linear P
 RI 31-OCT-2000
 DEFINITION Homo sapiens spinocerebellar ataxia 1 (olivopontocerebellar ataxia 1, autosomal dominant, ataxin 1) (SCA1), mRNA.
 ACCESSION NM_000332

<300>
 <308> NM_000332
 <309> 2000-10-31
 <313> (1)..(10660)

<400> 15
 ctactacagt ggcggacgta caggacctgt ttcactgcag ggggatccaa aacaagcccc 60
 gtggagcaac agccagagca acagcagctg caagacattg tttctctccc tctgcccccc 120
 cttccccacg caaccccgaga tccattttaca ctttacagtt ttacctcaca aaaactacta 180
 caagcaccaa gctccctgat ggaaaggagc atcgtgcac aagtcaccag ggtggtccat 240
 tcaagctgca gatttggttg tcatccttgt acagcaatct cctcctccac tgccactaca 300
 gggaaagtga tcacatgtca gcatactgga gcatagtga agagtctatt ttgaagcttc 360
 aaacttagtg ctgctgcaga ccaggaacaa gagagaaaga gtggatttca gcctgcacgg 420
 atggtcttga aacacaaatg gtttttggtc taggcgtttt aacttgagat tctccactgc 480
 caccctttct actcaagcaa aatcttcgtg aaaagatctg ctgcaaggaa ctgatagctt 540
 atggttctcc attgtgatga aagcacatgg tacagttttc caaagaaatt agaccatttt 600
 cttcgtgaga aagaaatcga cgtgctgttt tcatagggta tttctcactt ctctgtgaaa 660
 ggaagaaaga acacgcctga gcccaagagc ctcaggagc cctccagagc ctgtgggaag 720
 tctccatggt gaagtatagg ctgaggctac ctgtgaacag tacgcagtga atgttcatcc 780
 agagctgctg ttggcggatt gtaccacagg ggagatgatt cctcatgaag agcctggatc 840
 ccctacagaa atcaaattgtg actttccgtt tatcagacta aaatcagagc catccagaca 900
 gtgaaacagt caccgtggag gggggacggc gaaaaatgaa atccaaccaa gagcggagca 960
 acgaatgcct gcctcccaag aagcgcgaga tccccgccac cagccggtcc tccgaggaga 1020
 agggccctac cctgcccagc gacaaccacc ggggtggaggg cacagcatgg ctccccgggca 1080
 accctggtgg ccggggccac gggggcggga ggcattggcc ggcagggacc tcggtggagc 1140
 ttggtttaca acaggaata ggtttacaca aagcattgtc cacagggctg gactactccc 1200
 cgcccagcgc tcccaggtct gtccccgtgg ccaccacgtc gcctgccgcg tacgccaccc 1260
 cgcagccagg gaccccgggtg tccccgtgc agtacgtca cctgccgcac accttccagt 1320

p11089.ST25.txt

tcattgggtc	ctccaatac	agtggaacct	atgccagctt	catcccatca	cagctgatcc	1380
ccccaaccgc	caaccccgtc	accagtgcag	tggcctcggc	cgcagggggc	accactccat	1440
cccagcgctc	ccagctggag	gcctattcca	ctctgctggc	caacatgggc	agtctgagcc	1500
agacgccggg	acacaaggct	gagcagcagc	agcagcagca	gcagcagcag	cagcagcagc	1560
atcagcatca	gcagcagcag	cagcagcagc	agcagcagca	gcagcagcag	cagcacctca	1620
gcagggctcc	ggggctcatc	accccggggg	cccccccacc	agcccagcag	aaccagtacg	1680
tccacatttc	cagtttctcg	cagaacaccg	gccgcaccgc	ctctcctccg	gccatccccg	1740
tccacctcca	ccccaccag	acgatgatcc	cacacacgct	caccctgggg	ccccctccc	1800
aggctgctcat	gcaatacgcc	gactccggca	gccactttgt	ccctcgggag	gccaccaaga	1860
aagctgagag	cagccggctg	cagcaggcca	tccaggccaa	ggaggtcctg	aacggtgaga	1920
tggagaagag	ccggcggtag	ggggccccgt	cctcagccga	cctgggcctg	ggcaaggcag	1980
gcggcaagtc	ggttcctcac	ccgtacgagt	ccaggcacgt	ggtggtccac	ccgagcccct	2040
cagactacag	cagtcgtgat	ccttcggggg	tccgggcctc	tgtgatggtc	ctgcccaca	2100
gcaacacgcc	cgcagctgac	ctggaggtgc	aacaggccac	tcatcgtgaa	gcctcccctt	2160
ctaccctcaa	cgacaaaagt	ggcctgcatt	tagggaagcc	tggccaccgg	tcctacgcgc	2220
tctcacccca	cacggctcatt	cagaccacac	acagtgtctc	agagccactc	ccggtgggac	2280
tgccagccac	ggccttctac	gcagggactc	aaccccctgt	catcggctac	ctgagcggcc	2340
agcagcaagc	aatcacctac	gccggcagcc	tgccccagca	cctggtgatc	c`ccggcacac	2400
agcccctgct	catcccggtc	ggcagcactg	acatggaagc	gtcgggggca	gccccggcca	2460
tagtcacgtc	atccccccag	tttgctgcag	tgccctcacac	gttcgtcacc	accgcccttc	2520
ccaagagcga	gaacttcaac	cctgaggccc	tggtcaccca	ggccgcctac	ccagccatgg	2580
tgcaggccca	gatccacctg	cctgtggtgc	agtccgtggc	ctccccggcg	gcggctcccc	2640
ctacgctgcc	tccctacttc	atgaaaggct	ccatcatcca	gttggccaac	ggggagctaa	2700
agaagggtgga	agacttaaaa	acagaagatt	tcattccagag	tgagagata	agcaacgacc	2760
tgaagatcga	ctccagcacc	gtagagagga	ttgaagacag	ccatagcccg	ggcgtggccg	2820
tgatacagtt	cgccgtcggg	gagcaccgag	cccaggctcag	cgttgaagtt	ttggtagagt	2880
atcctttttt	tgtgttttga	cagggtggt	catcctgctg	tccggagaga	accagccagc	2940
tctttgatth	gccgtgttcc	aaactctcag	ttggggatgt	ctgcatctcg	cttaccctca	3000
agaacctgaa	gaacggctct	gttaaaaagg	gccagcccgt	ggatcccgcc	agcgtcctgc	3060
tgaagcactc	aaaggccgac	ggcctggcgg	gcagcagaca	caggatatgcc	gagcaggaaa	3120
acggaatcaa	ccaggggagt	gcccagatgc	tctctgagaa	tggcgaactg	aagtttccag	3180
agaaaatggg	attgcctgca	gcgcccttcc	tcacaaaaat	agaaccagc	aagcccgcgg	3240
caacgaggaa	gaggaggtgg	tcggcgccag	agagccgcaa	actggagaag	tcagaagacg	3300
aaccaccttt	gactcttcct	aagccttctc	taattcctca	ggaggttaag	atttgcatth	3360

p11089.ST25.txt

aaggccggtc	taatgtaggc	aagtagaggc	agcgtggggg	aaaggaaacg	tggctctccc	3420
ttatcatttg	tatccagatt	actgtactgt	aggctaaaat	aacacagtat	ttacatgtta	3480
tcttcttaat	tttaggtttc	tgttctaacc	ttgtcattag	agttacagca	ggtgtgtcgc	3540
aggagactgg	tgcataatgct	ttttccacga	gtgtctgtca	gtgagcgggc	gggaggaagg	3600
gcacagcagg	agcggtcagg	gctccaggca	tccccgggga	agaaaggaac	ggggcttcac	3660
agtgcctgcc	ttctctagcg	gcacagaagc	agccgggggc	gctgactccc	gctagtgtca	3720
ggagaaaagt	cccgtgggaa	gagtcctgca	ggggtgcagg	gttgacacgca	tgtgggggtg	3780
cacaggcgct	gtggcggcga	gtgagggctc	ctttttctct	gcctccctct	gcctcactct	3840
cttgctatcg	gcatgggccg	gggggggttc	gagcagtgtc	ctcctggggg	ttccacgtgc	3900
aaaatcaaca	tcaggaaccc	agcttcaggg	catcgcgagg	acgcgtcaga	tggcagattt	3960
ggaaagttaa	ccatttaaaa	gaacatTTTT	ctctccaaca	tatttttaca	taaaagcaac	4020
ttttaattgt	atagatatat	atttccccct	atggggcctg	actgcactga	tatatatttt	4080
ttttaagag	caactgccac	atgcgggatt	tcatttctgc	tttttactag	tgcagcgatg	4140
tcaccagggg	gttgtgggtg	acagggaagc	ccctgctgtc	atggccccac	atggggtaag	4200
gggggttggg	ggtgggggag	agggagagag	cgaacacca	cgctggtttc	tgtgcagtgt	4260
taggaaaacc	aatcagggtta	ttgcattgac	ttcactccca	agaggtagat	gcaaactgcc	4320
cttcagttag	agcaacagaa	gctcttcacg	ttgagtttgc	gaaatctttt	tgtctttgaa	4380
ctctagtact	gtttatagtt	catgactatg	gacaactcgg	gtgccacttt	tttttttttc	4440
agattccagt	gtgacatgag	gaattagatt	ttgaagatga	gcatatatta	ctatctttaa	4500
gcatttaaaa	atactgttca	cacttttatta	ccaagcatct	tgggtctctca	ttcaacaagt	4560
actgtatctc	actttaaact	ctttggggaa	aaaacaaaaa	caaaaaaac	taagttgctt	4620
tctttttttc	aacactgtaa	ctacatttca	gctctgcaga	attgctgaag	agcaagatat	4680
tgaagttttc	aatgtggttt	aaagggatga	atgtgaatta	tgaactagta	tgtgacaata	4740
aatgaccacc	aagtactacc	tgacgggagg	cacttttcac	tttgatgtct	gagaatcagt	4800
tcaaggcata	tgcagagttg	gcagagaaac	tgagagaaaa	gggatggaga	agagaatact	4860
catttttgtc	cagtgttttt	ctttttaaga	tgaactttta	aagaaccttg	cgatttgcac	4920
atattgagtt	tataacttgt	gtgatattcc	tgcagttttt	atccaataac	attgtgggaa	4980
aggtttgggg	gactgaacga	gcataaataa	atgtagcaaa	atttctttct	aacctgccta	5040
aactctaggc	cattttataa	ggttatgttc	ctttgaaaat	tcattttggg	ctttttacca	5100
catctgtcac	aaaaagccag	gtcttagcgg	gctcttagaa	actctgagaa	ttttcttcag	5160
attcattgag	agagttttcc	ataaagacat	ttatatatgt	gagcaagatt	ttttttaaac	5220
aattacttta	ttattgttgt	tattaatgtt	attttcagaa	tggctttttt	tttctattca	5280
aaatcaaadc	gagatttaat	gtttggtaca	aaccagaaa	gggtatttca	tagtttttaa	5340

p11089.ST25.txt

acctttcatt	cccagagatc	cgaaatatca	tttgtggggt	ttgaatgcat	ctttaaagtg	5400
ctttaaaaaa	aagttttata	agtagggaga	aattttttaa	tattcttact	tggatggctg	5460
caactaaact	gaacaaatac	ctgacttttc	ttttacccca	ttgaaaatag	tactttcttc	5520
gtttcacaaa	ttaaaaaaaa	aatctgggat	caaccacat	tttggctgtc	tagtattcat	5580
ttacatttag	ggttcaccag	gactaatgat	ttttataaac	cgttttctgg	ggtgtaccaa	5640
aaacatttga	ataggttttag	aatagctaga	atagttcctt	gactttcctc	gaatttcatt	5700
accctctcag	catgcttgca	gagagctggg	tgggctcatt	cttgagtc	tactgcttat	5760
ttagtgtgt	atTTTTTtaa	cgtttctgtt	cagagaactt	gcttaatctt	ccatatattc	5820
tgctcagggc	acttgcaatt	attaggtttt	gtttttcttt	ttgtttttta	gcctttgatg	5880
gtaagaggaa	tacgggctgc	cacatagact	ttgttctcat	taatatcact	atttacaact	5940
catgtggact	cagaaaaaca	cacaccacct	tttggcttac	ttcgagtatt	gaattgactg	6000
gatccactaa	accaacacta	agatgggaaa	acacacatgg	tttggagcaa	taggaacatc	6060
atcataatTT	ttgtggttct	atttcaggta	taggaattat	aaaataattg	gttctttcta	6120
aacacttgct	ccatttcatt	ctcttgcttt	tttagcatgt	gcaatacttt	ctgtgccaat	6180
agagtctgac	cagtgtgcta	tatagttaaa	gctcattccc	ttttggcttt	ttccttgttt	6240
ggttgatctt	ccccattctg	gccagagcag	ggctggaggg	aaggagccag	gagggagaga	6300
gcctcccacc	tttcccctgc	tgcggatgct	gagtgtctgg	gcggggagcc	ttcaggagcc	6360
ccgtgcgtct	gccgccacgt	tgcagaaaga	gccagccaag	gagaccgagg	ggaggaaccg	6420
cagtgtcccc	tgtcaccaca	cggaatagt	aatgtggagt	gtggagagga	aggaggcaga	6480
ttcattttcta	agacgcactc	tggagccatg	tagcctggag	tcaaccatt	ttccacgggc	6540
ttttctgcaa	gtgggcaggc	ccctcctcgg	ggtctgtgtc	cttgagactt	ggagccctgc	6600
ctctgagcct	ggacgggaag	tgtggcctgt	tgtgtgtgtg	cgttctgagc	gtgttgcca	6660
gtggctgtgg	aggggaccac	ctgccaccca	cggtcaccac	tcccttgagg	cagctttctc	6720
ttcaaatagg	aagaacgcac	agagggcagg	agcctcctgt	ttgcagacgt	tggcgggccc	6780
cgaggctccc	agagcagcct	ctgtcaccgc	ttctgtgtag	caaacattaa	cgatgacagg	6840
ggtagaaatt	cttcggtgcc	gttcagctta	caaggatcag	ccatgtgcct	ctgtactatg	6900
tccactttgc	aatattttacc	gacagccgtc	ttttgttctt	tctttcctgt	tttccatttt	6960
taaactagta	acagcaggcc	ttttgcgttt	acaatggaac	acaatcacca	agaaattagt	7020
cagggcgaaa	agaaaaaaat	aatactatta	ataagaaacc	aacaaacaag	aacctctctt	7080
tctagggatt	tctaaatata	taaaatgact	gttccttaga	atgttttaact	taagaattat	7140
ttcagtttgt	ctgggccaca	ctggggcaga	ggggggaggg	agggatacag	agatggatgc	7200
cacttacctc	agatctttta	aagtggaaat	caaattgaa	ttttcatttg	gactttcagg	7260
ataattttct	atgttgggtca	acttttcgtt	ttccctaact	caccagtttt	agtttgggat	7320
gatttgattt	ctgttggtgt	tgatcccat	tctaacttgg	aattgtgagc	ctctatgttt	7380

p11089.ST25.txt

tctgttaggt	gagtgtgttg	ggttttttcc	ccccaccagg	aagtggcagc	atccctcctt	7440
ctcccctaaa	gggactctgc	ggaacctttc	acacctcttt	ctcagggacg	gggcagggtg	7500
gtgtgtggta	cactgacgtg	tccagaagca	gcactttgac	tgctctggag	tagggttgta	7560
caatttcaag	gaatgttttg	atttcctgca	tcttgtggat	tactccttag	ataccgcata	7620
gattgcaata	taatgctgca	tgttcaagat	gaacagtagc	tcctagtaat	cataaaatcc	7680
actctttgca	cagtttgatc	tttactgaaa	tatgttgcca	aaatttat	ttgttggtgt	7740
agctctggat	tttgttttgt	tttgtttttt	aaggaaacga	ttgacaatac	cctttaacat	7800
ctgtgactac	taaggaaacc	tatttccttc	atagagagaa	aaatctccaa	tgcttttgaa	7860
gacactaata	ccgtgctatt	tcagatatgg	gtgaggaagc	agagctctcg	gtaccgaagg	7920
ccgggcttct	tgagctgtgt	tggttgtcat	ggctactgtt	tcatgaacca	caagcagctc	7980
aacagactgg	tctgttgctt	tctgaaaccc	tttgcacttc	aatttgcacc	aggtgaaaac	8040
agggccagca	gactccatgg	cccaattcgg	tttcttcggt	ggtgatgtga	aaggagagaa	8100
ttacactttt	ttttttttta	agtggcgtgg	aggcctttgc	ttccacattt	gtttttaacc	8160
cagaatttct	gaaatagaga	atttaagaac	acatcaagta	ataaatatac	agagaatata	8220
cttttttata	aagcacatgc	atctgctatt	gtgttggggt	ggtttcctct	cttttccacg	8280
gacagtgttg	tgtttctggc	ataggggaaac	tccaaacaac	ttgcacacct	ctactccgga	8340
gctgagattt	cttttacata	gatgacctcg	cttcaaatac	gttaccttac	tgatgatagg	8400
atcttttctt	gtagcactat	accttgtggg	aatttttttt	taaatgtaca	cctgatttga	8460
gaagctgaag	aaaacaaaat	tttgaagcac	tcactttgag	gagtacaggt	aatgttttaa	8520
aaaattgcac	aaaagaaaaa	tgaatgtcga	aatgattcat	tcagtgtttg	aaagatatgg	8580
ctctgttgaa	acaatgagtt	tcatactttg	tttgtaaaaa	aaaaaagcag	agaaggggtg	8640
aaagttacat	gtttttttgt	atatagaaat	ttgtcatgtc	taaatgatca	gatttgtatg	8700
gttatggcct	ggaagaatta	ctacgtaaaa	ggctcttaaa	ctatacctat	gcttattgtt	8760
atttttgtta	catatagccc	tcgtctgagg	gaggggaact	cggtattctg	cgatttgaga	8820
atactgttca	ttcctatgct	gaaagtactt	ctctgagctc	ccttcttagt	ctaaactctt	8880
aagccattgc	aacttctttt	tcttcagaga	tgatgtttga	cattttcagc	acttcctgtt	8940
cctataaacc	caaagaatat	aatcttgaac	acgaagtgtt	tgtaacaagg	gatccaggct	9000
accaatcaaa	caggactcat	tatggggaca	aaaaaaaaaa	aaattatttc	accttctttc	9060
ccccacacc	tcattttaa	ggggggagta	aaaacatgat	ttcaatgtaa	atgcctcatt	9120
ttattttagt	tttattttga	tttttattta	atataaagag	gccagaataa	atacggagca	9180
tcttctcaga	atagtattcc	tgtccaaaaa	tcaagccgga	cagtggaaac	tggaacagctg	9240
tggggatatt	aagcaccccc	acttacaatt	cttaaattca	gaatctcgtc	ccctcccttc	9300
tcgttgaagg	caactgttct	ggtagctaac	tttctcctgt	gtaatggcgg	gagggaaacac	9360

p11089.ST25.txt

cggttcagtt	ttttcatgtc	cccatgactt	gcatacaaat	ggttcaactg	tattaaaatt	9420
aagtgcattt	ggccaatagg	tagtatctat	acaataacaa	caatctctaa	gaattttccat	9480
aacttttctt	atctgaaagg	actcaagtct	tccactgcag	atacattgga	ggcttcaccc	9540
acgttttctt	tcccttttagt	ttgtttgctg	tctggatggc	caatgagcct	gtctcctttt	9600
ctgtggccaa	tctgaaggcc	ttcgttggaa	gtgttggtca	cagtaatcct	taccaagata	9660
acatactgtc	ctccagaata	ccaagtatta	ggtgacacta	gctcaagctg	ttgtcttcag	9720
agcagttacc	aagaagctcg	gtgcacaggt	tttctctggt	tcttacagga	accacctact	9780
ctttcagttt	tctggcccag	gagtggggta	aatccttttag	ttagtgcatt	tgaacttggg	9840
acctgtgcat	tcagttctgt	gaatactgcc	ctttttggcg	gggtttcctc	atctccccag	9900
cctgaactgc	tcaactctaa	acccaaatta	gtgtcagccg	aaaggagggt	tcaagatagt	9960
cctgtcagta	tttgtggtga	ccttcagatt	agacagtctt	catttccagc	cagtggagtc	10020
ctgggtccag	agccatctct	gagactccgt	actactggat	gttttaatat	cagatcatta	10080
cccaccatat	gcctcccaca	ggccaagggg	aaacagacac	cagaacttgg	gttgagggca	10140
ctaccagact	gacatggcca	gtacagagga	gaactagggg	aggaatgatg	ttttgcacct	10200
tattgaaaag	aaaattttta	gtgcatacat	aatagttaag	agcttttatt	gtgacaggag	10260
aacttttttc	catatgcgtg	catactctct	gtaattccag	tgtaaaatat	tgtacttgca	10320
ctagcttttt	taaacaaata	ttaaaaaatg	gaagaattca	tattctattt	tctaatcgtg	10380
gtgtgtctat	ttgtaggata	cactcgagtc	tgttttattga	attttatggg	ccctttcttt	10440
gatggtgctt	gcagggtttt	taggtagaaa	ttatttcatt	attataataa	aacaatgttt	10500
gattcaaaat	ttgaacaaaa	ttgtttttaa	taaattgtct	gtataccagt	acaagtttat	10560
tgtttcagta	tactcgtact	aataaaataa	cagtgccaat	tgcaaaaaaa	aaaaaaaaaa	10620
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa			10660

<210> 16
 <211> 1900
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(1900)
 <223> LOCUS MJD 1900 bp mRNA linear P
 RI 31-JUL-2002
 DEFINITION Homo sapiens Machado-Joseph disease (spinocerebellar
 ataxia 3,
 olivopontocerebellar ataxia 3, . . .
 ACCESSION NM_004993

<300>
 <308> NM_004993
 <309> 2002-07-31
 <313> (1)..(1900)

<400> 16

p11089.ST25.txt

ggggcggagc	tggagggggt	ggttcggcgt	gggggccgtt	ggctccagac	aaataaacat	60
ggagtccatc	ttccacgaga	aacaagaagg	ctcactttgt	gctcaacatt	gcctgaataa	120
cttattgcaa	ggagaatatt	ttagcccctgt	ggaattatcc	tcaattgcac	atcagctgga	180
tgaggaggag	aggatgagaa	tggcagaagg	aggagttact	agtgaagatt	atcgcacggt	240
tttacagcag	ccttctggaa	atatggatga	cagtggtttt	ttctctattc	aggttataag	300
caatgccttg	aaagtttggg	gtttagaact	aatcctgttc	aacagtccag	agtatcagag	360
gctcaggatc	gatacctataa	atgaaagatc	atttatatgc	aattataagg	aacactgggt	420
tacagttaga	aaattaggaa	aacagtgggt	taacttgaat	tctctcttga	cgggtccaga	480
attaatatca	gatacatatc	ttgcactttt	cttggctcaa	ttacaacagg	aaggttattc	540
tatatattgtc	gttaaggggtg	atctgccaga	ttgcgaagct	gaccaactcc	tgcagatgat	600
taggggccaa	cagatgcatc	gaccaaaact	tattggagaa	gaattagcac	aactaaaaga	660
gcaaagagtc	cataaaacag	acctggaacg	agtgttagaa	gcaaatgatg	gctcaggaat	720
gttagacgaa	gatgaggagg	atttgacagag	ggctctggca	ctaagtcgcc	aagaaattga	780
catggaagat	gaggaagcag	atctccgcag	ggctattcag	ctaagtatgc	aaggtagttc	840
cagaaacata	tctcaagata	tgacacagac	atcaggtaca	aatcttactt	cagaagagct	900
tcggaagaga	cgagaagcct	actttgaaaa	acagcagcaa	aagcagcaac	agcagcagca	960
gcagcagcag	cagggggacc	tatcaggaca	gagttcacat	ccatgtgaaa	ggccagccac	1020
cagttcagga	gcacttgggg	gtgatctagg	tgatgctatg	agtgaagaag	acatgcttca	1080
ggcagctgtg	accatgtctt	tagaaactgt	cagaaatgat	ttgaaaacag	aaggaaaaaa	1140
ataatacctt	taaaaaataa	tttagatatt	catactttcc	aacattatcc	tgtgtgatta	1200
cagcataggg	tccacttttg	taatgtgtca	aagagatgag	gaaataagac	ttttagcggg	1260
ttgcaaacaa	aatgatggga	aagtggaaca	atgcgtcggg	tgtaggacta	aataatgatc	1320
ttccaaatat	tagccaaaga	ggcattcagc	aattaaagac	atttaaaata	gttttctaaa	1380
tgtttctttt	tcttttttga	gtgtgcaata	tgtaacatgt	ctaaagttag	ggcatttttc	1440
ttggatcttt	ttgcagacta	gctaattagc	tctgcctca	ggctttttcc	atatagtttg	1500
ttttcttttt	ctgtcttgta	ggtaagttgg	ctcacatcat	gtaatagtgg	ctttcatttc	1560
ttattaacca	aattaacctt	tcaggaaagt	atctctactt	tcctgatggt	gataatagta	1620
atggttctag	aaggatgaac	agttctccct	tcaactgtat	accgtgtgct	ccagtgtttt	1680
cttgtgttgt	tttctctgat	cacaactttt	ctgctacctg	gttttcatta	ttttcccaca	1740
attcttttga	aagatggtaa	tcttttctga	ggtttagcgt	tttaagccct	acgatgggat	1800
cattatttca	tgactgggtgc	gttcctaaac	tctgaaatca	gccttgacac	agtacttgag	1860
aataaatgag	cattttttta	aaaaaaaaaa	aaaaaaaaaa			1900

<210> 17
<211> 1735

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(1735)
 <223> LOCUS MJD 1735 bp mRNA linear P
 RI 31-JUL-2002
 DEFINITION Homo sapiens Machado-Joseph disease (spinocerebellar
 ataxia 3,
 axin 3) (MJD)
 ACCESSION NM_030660

<300>
 <308> NM_030660
 <309> 2002-07-31
 <313> (1)..(1735)

```

<400> 17
ggggcggagc tggagggggt gggtcggcgt gggggccggt ggctccagac aaataaacat    60
ggagtccatc ttccacgaga aacagccttc tggaaatatg gatgacagtg gttttttctc    120
tattcagggtt ataagcaatg ccttgaaagt ttgggggttta gaactaatcc tgttcaacag    180
tccagagtat cagaggctca ggatcgatcc tataaatgaa agatcattta tatgcaatta    240
taaggaacac tggtttacag ttagaaaatt aggaaaacag tggtttaact tgaattctct    300
cttgacgggt ccagaattaa tatcagatac atatcttgca cttttcttgg ctcaattaca    360
acaggaaggt tattctatat ttgtcgtaa gggtgatctg ccagattgcg aagctgacca    420
actcctgcag atgattaggg tccaacagat gcatcgacca aaacttattg gagaagaatt    480
agcacaacta aaagagcaaa gagtccataa aacagacctg gaacgagtgt tagaagcaaa    540
tgatggctca ggaatgtag acgaagatga ggaggatttg cagagggctc tggcactaag    600
tcgccaagaa attgacatgg aagatgagga agcagatctc cgcagggcta ttcagctaag    660
tatgcaaggt agttccagaa acatatctca agatatgaca cagacatcag gtacaaatct    720
tacttcagaa gagcttcgga agagacgaga agcctacttt gaaaaacagc agcaaaagca    780
gcaacagcag cagcagcagc agcagcaggg ggacctatca ggacagagtt cacatccatg    840
tgaaaggcca gccaccagtt caggagcact tgggagtgat ctaggtgatg ctatgagtga    900
agaagacatg cttcaggcag ctgtgaccat gtctttagaa actgtcagaa atgatttgaa    960
aacagaagga aaaaaataat acctttaaaa aataatttag atattcatac tttccaacat   1020
tatcctgtgt gattacagca taggggccac tttggtaatg tgtcaaagag atgaggaaat   1080
aagactttta gcggtttgca aacaaaatga tgggaaagtg gaacaatgcg tcggttgtag   1140
gactaaataa tgatcttcca aatattagcc aaagaggcat tcagcaatta aagacattta   1200
aaatagtttt ctaaagtgtt ctttttcttt tttgagtgtg caatatgtaa catgtctaaa   1260
gttagggcat ttttcttgga tctttttgca gactagctaa ttagctctcg cctcaggctt   1320
ttccatata gtttggtttc tttttctgtc ttgtaggtaa gttggctcac atcatgtaat   1380

```

p11089.ST25.txt

```

agtggctttc atttcttatt aaccaaatta acctttcagg aaagtatctc tacttttcctg 1440
atgttgataa tagtaatggg tctagaagga tgaacagttc tcccttcaac tgtataaccgt 1500
gtgctccagt gttttcttgt gttgttttct ctgatcacia cttttctgct acctgggtttt 1560
cattattttc ccacaattct tttgaaagat ggtaatcttt tctgaggttt agcggttttaa 1620
gccctacgat gggatcatta tttcatgact ggtgcgttcc taaactctga aatcagcctt 1680
gcacaagtac ttgagaataa atgagcattt tttaaaaaaa aaaaaaaaaa aaaaa 1735

```

<210> 18
 <211> 5832
 <212> RNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(5832)
 <223> ACCESSION NM_012104
 VERSION NM_012104.2 GI:21040369

<220>
 <221> misc_feature
 <222> (1)..(5832)
 <223> LOCUS BACE 5832 bp mRNA linear PRI 05-NOV-2002
 DEFINITION Homo sapiens beta-site APP-cleaving enzyme (BACE), tr
 ansript
 variant a, mRNA.

<300>
 <308> NM_012104
 <309> 2002-11-05
 <313> (1)..(5832)

```

<400> 18
uccccagccc gcccgggagc ugcgagccgc gagcuggauu augguggccu gagcagccaa 60
cgcagccgca ggagcccgga gcccuugccc cugcccgcgc cgccgcccgc cggggggacc 120
aggggaagccg ccaccggccc gccaugcccc cccuuccag ccccgccggg agcccgcgcc 180
cgcugcccag gcuggccgccc gccgugccga uguagcgggc uccggauccc agccucuccc 240
cugcucccggu gcucugcgga ucuccccuga ccgcucucca cagcccggac ccgggggucg 300
gccaggggcc cugcaggccc uggcguccug augccccaa gcucccucuc cugagaagcc 360
accagcacca cccagacuug ggggcaggcg ccagggacgg acgugggcca gugcgagccc 420
agagggcccc aaggccgggg ccaccaugg cccaagcccu gccuggcuc cugcugugga 480
ugggcgcggg agugcugccu gccacaggca cccagcacgg cauccggcug cccugcgca 540
gcggccuggg gggcgccccc cuggggcugc ggcugccccg ggagaccgac gaagagcccc 600
aggagcccgg ccggaggggc agcuuugugg agauggugga caaccugagg ggcaagucgg 660
ggcagggcua cuacguggag augaccgugg gcagcccccc gcagacgcuc aacaucucgg 720
uggauacagg cagcaguaac uuugcagugg gugcugcccc ccacccuuc cugcaucgu 780
acuaccagag gcagcugucc agcacauacc gggaccuccg gaagggugug uaugugcccu 840

```

p11089.ST25.txt

acacccaggg	caagugggaa	ggggagcugg	gcaccgaccu	gguaagcauc	ccccauggcc	900
ccaacgucac	ugugcgugcc	aacauugcug	ccaucacuga	aucagacaag	uucuucauca	960
acggcuccaa	cugggaaggc	auccuggggc	uggccuaugc	ugagauugcc	aggccugacg	1020
acucccugga	gccuuucuuu	gacucucugg	uaaagcagac	ccacguuccc	aaccucuuuc	1080
cccugcagcu	uuguggugcu	ggcuuccccc	ucaaccaguc	ugaagugcug	gccucugucg	1140
gagggagcau	gaucauugga	gguaucgacc	acucgcugua	cacaggcagu	cucugguaua	1200
cacccauccg	gcgggagugg	uauuaugagg	ucaucauugu	gcggguggag	aucaauggac	1260
aggauccgaa	aauggacugc	aaggaguaca	acuaugacaa	gagcauugug	gacaguggca	1320
ccaccaaccu	ucguuugccc	aagaaagugu	uugaagcugc	agucaaaucc	aucaaggcag	1380
ccuccuccac	ggagaaguuc	ccugaugguu	ucuggcuagg	agagcagcug	gugugcuggc	1440
aagcaggcac	caccccuugg	aacauuuucc	cagucaucuc	acucuaccua	augggugagg	1500
uuaccaacca	guccuuccgc	aucaccaucc	uuccgcagca	auaccugcgg	ccaguggaag	1560
auguggccac	gucccaagac	gacuguuaca	aguuugccau	cucacaguca	uccacgggca	1620
cuguuauggg	agcuguuau	auggagggcu	ucuacguugu	cuuugaucgg	gcccgaaaac	1680
gaauuggcuu	ugcugucagc	gcuugccaug	ugcacgauga	guucaggacg	gcagcggugg	1740
aaggcccuuu	ugucaccuug	gacauggaag	acuguggcua	caacauucca	cagacagaug	1800
agucaacccu	caugaccaua	gccuauugca	uggcugccau	cugcgcccuc	uucaugcugc	1860
cacucugccu	cauggugugu	caguggcgcu	gccuccgcug	ccugcgccag	cagcaugaug	1920
acuuugcuga	ugacaucucc	cugcugaagu	gaggaggccc	augggcagaa	gauagagauu	1980
ccccuggacc	acaccuccgu	gguucacuuu	ggucacaagu	aggagacaca	gauggcaccu	2040
guggccagag	caccucagga	cccuccccac	ccaccaaau	ccucugccuu	gauggagaag	2100
gaaaaggcug	gcaagguggg	uuccagggac	uguaccugua	ggaaacagaa	aagagaagaa	2160
agaagcacuc	ugcuggcggg	aauacucuug	gucaccucaa	auuuuagucg	ggaaaauucg	2220
cugcuugaaa	cuucagcccu	gaaccuuugu	ccaccauucc	uuuaaaauuc	ccaacccaaa	2280
guauucuuu	uuucuuagu	ucagaaguac	uggcaucaca	cgcagguuac	cuuggcgugu	2340
gucccugugg	uaccucugga	gagaagagac	caagcuuguu	ucccugcugg	ccaaagucag	2400
uaggagagga	ugcacaguuu	gcuauuugcu	uuagagacag	ggacuguaa	aacaagccua	2460
acauuggugc	aaagauugcc	ucuugaauua	aaaaaaaaa	cuagauugac	uauuuauaca	2520
aaugggggcg	gcuggaaaga	ggagaaggag	agggaguaca	aagacaggga	auagugggau	2580
caaagcuagg	aaaggcagaa	acacaaccac	ucaccagucc	uaguuuuaga	ccucaucucc	2640
aagauagcau	cccaucucag	aagaugggug	uuguuuucaa	uguuuucuuu	ucugugguug	2700
cagccugacc	aaaagugaga	ugggaagggc	uuaucuagcc	aaagagcucu	uuuuuagcuc	2760
ucuuaaauga	agugcccacu	aagaaguucc	acuuaacaca	ugaauuucug	ccaauuuau	2820

p11089.ST25.txt

uucauugucu	cuauucugaac	cacccuuuuu	ucuacauaug	auaggcagca	cugaaauauc	2880
cuaacccccu	aagcuccagg	ugcccugugg	gagagcaacu	ggacuauagc	agggcugggc	2940
ucugucuucc	uggucauagg	cucacucuuu	ccccaaauc	uuccucugga	gcuuugcagc	3000
caaggugcua	aaaggaauag	guaggagacc	ucuucuaucu	aauccuuaaa	agcauaaugu	3060
ugaacauuca	uucaacagcu	gaugcccuau	aaccucugcc	uggauuucuu	ccuauuaggc	3120
uauaagaagu	agcaagaucu	uuacauaaau	cagagugguu	ucacugccuu	ccuaccucuc	3180
cuaauggcc	cuccauuuau	uugacuaaag	caucacacag	uggcacuagc	auuauaccaa	3240
gaguaugaga	aaucagugc	uuuauggcuc	uaacauuacu	gccuucagua	ucaaggcugc	3300
cuggagaaag	gauggcagcc	ucagggcuuc	cuuauugucc	ccaccacaag	agcuccuuga	3360
ugaaggucau	cuuuuucccc	uauccuguuc	uuccccuccc	cgcuccuaau	gguacguggg	3420
uaccagggcu	gguucuuugg	cuagguagug	gggaccaagu	ucauuaccuc	ccuaucaguu	3480
cuagcauagu	aaacuacggg	accaguguua	gugggaagag	cuggguuuuc	cuaguauacc	3540
cacugcaucc	uacuccuacc	uggucaaccc	gcugcuucca	gguaugggac	cugcuaagug	3600
uggaauuacc	ugauaaggga	gagggaaaua	caaggagggc	cucugguguu	ccuggccuca	3660
gccagcugcc	cacaagccau	aaaccaauaa	aacaagaaua	cugagucagu	uuuuuaucug	3720
gguucucuuc	auucccacug	cacuuggugc	ugcuuuggcu	gacugggaac	accccauaac	3780
uacagagucu	gacaggaaga	cuggagacug	uccacuucua	gcucggaacu	uacuguguaa	3840
auaaacuuc	agaacugcua	ccaugaagug	aaaaugccac	auuuugcuuu	auaaauucua	3900
cccauguugg	gaaaaacugg	cuuuuuccca	gcccuuucca	gggcuaaaaa	cucaaccccu	3960
ucgauagcaa	gucccaucag	ccuauuuuuu	uuuuaaagaa	aacuugcacu	uguuuuuuuu	4020
uuuacaguua	cuuccuuccu	gccccaaaau	uauaaacucu	aaguguaaaa	aaaagucuaa	4080
acaacagcuu	cuugcuugua	aaaauaugua	uuauacauuc	guauuuuuua	auucugcucc	4140
ugaaaaauga	cugucccauu	cuccacucac	ugcauuuggg	gccuuuucca	uuggucugca	4200
ugucuuuuau	cauugcaggc	caguggacag	agggagaagg	gagaacaggg	gucgccaaca	4260
cuuguguugc	uuucugacug	auccugaaca	agaaagagua	acacugaggc	gcucgcuccc	4320
augcacaacu	cuccaaaaca	cuuauccucc	ugcaagagug	ggcuuuccag	ggucuuuacu	4380
gggaagcagu	uaagccccc	ccucaccccu	uccuuuuuuc	uuucuuuacu	ccuuuggcuu	4440
caaaggauuu	uggaaaagaa	acaauaugcu	uuacacucau	uuucaauuuc	uaaaauugca	4500
ggggauacug	aaaaauacgg	cagguggccu	aaggcugcug	uaaaguugag	gggagaggaa	4560
aucuaagau	uacaagauaa	aaaacgauc	cccuaaacaa	aaagaacaau	agaacugguc	4620
uuccauuuug	ccaccuuucc	uguucaugac	agcuacuaac	cuggagacag	uaacauuuca	4680
uuuaccaaag	aaaguggguc	accugaccuc	ugaagagcug	aguacucagg	ccacuccaau	4740
cacccuacaa	gaugccaagg	aggucccagg	aaguccagcu	ccuuaaacug	acgcuaguca	4800
auaaaccugg	gcaagugagg	caagagaaa	gaggaagaau	ccaucuguga	ggugacaggc	4860

p11089.ST25.txt

```

aaggaugaaa gacaaagaag gaaaagagua ucaaaggcag aaaggagauc auuuaguugg 4920
gucugaaagg aaaagucuuu gcuauccgac auguacugcu aguaccugua agcauuuuag 4980
gucccagaau ggaaaaaaaa aucagcuauu gguaauauaa uaauguccuu ucccuggagu 5040
caguuuuuuu aaaaaguuaa cucuuaguuu uuacuuguuu aaauucuaaaa gagaaggagg 5100
cugaggccau ucccuguagg aguaaagaua aaaggauagg aaaagauuca aagcucuaau 5160
agagucacag cuuucccagg uauaaaaccu aaaauuaaga aguacaauaa gcagaggugg 5220
aaaaugaucu aguuccugau agcuaccac agagcaagug auuuauaaa uugaaaacca 5280
aacuacuuc uuaauaucac uuuggucucc auuuuuccca ggacaggaaa uaugucuccc 5340
ccuaacuuc uugcuucaa aaauaaaauc cagcauccca agaucauucu acaaguaauu 5400
uugcacagac aucuccucac cccagugccu gucuggagcu caccaaggu caccaaaca 5460
cuugguugug aaccaacugc cuuaaccuuc ugggggaggg ggauuagcua gacuaggaga 5520
ccagaaguga augggaaagg gugaggacuu cacauguug gccugucaga gcuugauuag 5580
aagccaagac aguggcagca aaggaagacu uggcccagga aaaaccugug gguugugcua 5640
auuucugucc agaaaauagg guggacagaa gcuugugggg uacauggagg aauggggacc 5700
ugguuauugu guuauucucg gacugugaau uuuggugaug uaaaacagaa uauucuguaa 5760
accuaauguc uguauaaaau augagcguaa acacaguaaa auauucaaua agaagucaaa 5820
cuacuaggu ua 5832

```

```

<210> 19
<211> 5757
<212> RNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(5757)
<223> LOCUS BACE 5757 bp mRNA linear P
RI 05-NOV-2002
DEFINITION Homo sapiens beta-site APP-cleaving enzyme (BACE), tr
anscript
variant b, mRNA.
ACCESSION NM_138972; VERSION NM_138972.1 GI:21040365

```

```

<300>
<308> NM_138972
<309> 2002-11-05
<313> (1)..(5757)

<400> 19
uccccagccc gcccgggagc ugcgagccgc gagcuggauu augguggccu gagcagccaa 60
cgcagccgca ggagcccgga gcccuugccc cugcccgcgc cgccgcccgc cggggggacc 120
aggggaagccg ccaccggccc gccaugccc cccuuccag ccccgccggg agcccgcgcc 180
cgcugcccag gcuggccgcc gccgugccga uguagcgggc uccggauccc agccucuccc 240
cugcucccgu gcucugcgga ucuccccuga ccgcucucca cagcccggac ccgggggcug 300

```

p11089.ST25.txt

gcccagggcc	cugcaggccc	uggcguccug	augcccccaa	gcucccucuc	cugagaagcc	360
accagcacca	cccagacuug	ggggcaggcg	ccagggacgg	acguggggcca	gugcgagccc	420
agagggcccc	aaggccgggg	cccaccaugg	ccaagcccu	gccugggcuc	cugcugugga	480
ugggcgcggg	agugcugccu	gcccacggca	cccagcacgg	cauccggcug	ccccugcgca	540
gcggccuggg	gggcgcccc	cuggggcugc	ggcugccccg	ggagaccgac	gaagagcccc	600
aggagccccg	ccggaggggc	agcuuugugg	agauggugga	caaccugagg	ggcaagucgg	660
ggcagggcua	cuacguggag	augaccgugg	gcagcccccc	gcagacgcuc	aacauccugg	720
uggauacagg	cagcaguaac	uuugcagugg	gugcugcccc	ccaccccuuc	cugcaucgcu	780
acuaccagag	gcagcugucc	agcacauacc	gggaccuccg	gaagggugug	uaugugcccu	840
acaccagggg	caagugggaa	ggggagcugg	gcaccgaccu	gguaagcauc	ccccaugggc	900
ccaacgucac	ugugcgugcc	aacauugcug	ccaucacuga	aucagacaag	uucuucauca	960
acggcuccaa	cugggaaggg	auccuggggc	uggccuaugc	ugagauugcc	aggcuuugug	1020
gugcuggcuu	cccccucaac	cagucugaag	ugcuggccuc	ugucggaggg	agcaugauca	1080
uuggagguau	cgaccacucg	cuguacacag	gcagucucug	guauacaccc	auccggcggg	1140
agugguauua	ugaggucauc	auugugcggg	uggagaucaa	uggacaggau	cugaaaauug	1200
acugcaagga	guacaacuai	gacaagagca	uuguggacag	uggcaccacc	aaccuucguu	1260
ugcccaagaa	aguguuugaa	gcugcaguca	aauccaucaa	ggcagccucc	uccacggaga	1320
aguucccuga	ugguuucugg	cuaggagagc	agcuggugug	cuggcaagca	ggcaccaccc	1380
cuuggaacaui	uuucccaguc	aucucacucu	accuaauugg	ugagguuacc	aaccaguccu	1440
uccgcaucac	cauccuuccg	cagcaauacc	ugcggccagu	ggaagaugug	gccacguccc	1500
aagacgacug	uuacaaguuu	gccaucucac	agucauccac	gggcacuguu	augggagcug	1560
uuaucaugga	gggcuucuiac	guugucuuug	aucgggcccg	aaaacgaauu	ggcuuugcug	1620
ucagcgcuug	ccaugugcac	gaugaguuca	ggacggcagc	gguggaaggc	ccuuuuguca	1680
ccuuggacau	ggaagacugu	ggcuacaaca	uuccacagac	agaugaguca	accucuauga	1740
ccauagccua	ugucauggcu	gccaucugcg	cccucuucui	gcugccacuc	ugccucaugg	1800
ugugucagug	gcgcugccuc	cgucugccugc	gccagcagca	ugaugacuuu	gcugaugaca	1860
ucucccugcu	gaagugagga	ggcccauggg	cagaagauag	agauuccccu	ggaccacacc	1920
uccgugguuc	acuuugguca	caaguaggag	acacagaugg	caccuguggc	cagagcaccu	1980
caggaccuc	cccaccacc	aaaugccucu	gccuugaugg	agaaggaaaa	ggcuggcaag	2040
guggguucca	gggacuguac	cuguaggaaa	cagaaaagag	aagaaagaag	cacucugcug	2100
gcgggaauac	ucuuggucac	cucaaauiua	agucgggaaa	uucugcugcu	ugaaacuuca	2160
gcccugaacc	uuuguccacc	auuccuiuaa	auucuccaac	ccaaaguauu	cuucuiuuu	2220
uaguuiucaga	aguacuggca	ucacacgcag	guuaccuugg	cguguguccc	ugugguaccc	2280

p11089.ST25.txt

uggcagagaa	gagaccaagc	uuguuuuccu	gcuggccaaa	gucaguagga	gaggaugcac	2340
aguuugcuau	uugcuuuaga	gacagggacu	guauaaacaa	gccuaacauu	ggugcaaaga	2400
uugccucuug	aaauaaaaaa	aaaaacuaga	uugacuauuu	auacaaaugg	gggcggcugg	2460
aaagaggaga	aggagaggga	guacaaagac	agggaauagu	gggaucaaag	cuaggaaagg	2520
cagaaacaca	accacucacc	aguccuaguu	uuagaccuca	ucuccaagau	agcaucccau	2580
cucagaagau	ggguguuguu	uucaauguuu	ucuuuucugu	gguugcagcc	ugaccaaag	2640
ugagauggga	agggcuuuau	uagccaaaga	gcucuuuuuu	agcucucuua	aaugaagugc	2700
ccacuaagaa	guuccacuua	acacaugaa	uucugccaua	uuauuuucau	ugucucuauc	2760
ugaaccaccc	uuuauucuac	auaugauagg	cagcacugaa	auauccuaac	ccccuaagcu	2820
ccaggugccc	ugugggagag	caacuggacu	auagcagggc	ugggcucugu	cuuccugguc	2880
auaggcucac	ucuuuucccc	aaaucuuccu	cuggagcuuu	gcagccaagg	ugcuaaaagg	2940
aaauagguagg	agaccucuuc	uaucaaaucc	uuaaaagcau	aauguugaac	auucauucaa	3000
cagcugaugc	ccuauaacc	cugccuggau	uucuuccuau	uaggcuauaa	gaaguagcaa	3060
gaucuuuaca	uaauucagag	ugguuucacu	gccuuccuac	ccucucuauu	ggccccucca	3120
uuuauuugac	uaaagcauca	cacaguggca	cuagcauuau	accaagagua	ugagaaaauac	3180
agugcuuuau	ggcucuaaca	uuacugccuu	caguaucaag	gcugccugga	gaaaggauug	3240
cagccucagg	gcuuccuuau	guccuccacc	acaagagcuc	cuugaugaag	gucaucuuuu	3300
uccccuaucc	uguucuucc	cuccccgcuc	cuaaugguac	guggguaccc	aggcugguuc	3360
uugggcuagg	uaguggggac	caaguucauu	accucccuau	caguucuagc	auaguaaacu	3420
acgguaccag	uguuaguggg	aagagcuggg	uuuuccuagu	auaccacacug	cauccuacuc	3480
cuaccugguc	aaccgcugc	uuccagguau	gggaccugcu	aaguguggaa	uuaccugaua	3540
agggagaggg	aaauacaagg	agggccucug	guguuccugg	ccucagccag	cugcccacaa	3600
gccauaaacc	aaauaaacaa	gaauacugag	ucaguuuuuu	aucugggguuc	ucuucauucc	3660
cacugcacuu	ggugcugcuu	uggcugacug	ggaacacccc	auaacuacag	agucugacag	3720
gaagacugga	gacuguccac	uucuagcucg	gaacuuacug	uguaaaauaa	cuuucagaac	3780
ugcuaccaug	aagugaaaau	gccacauuuu	gcuuuauaa	uucuaccuau	guugggaaaa	3840
acuggcuuuu	ucccagcccu	uuccagggca	uaaaacucua	ccccuucgau	agcaaguccc	3900
aucagccuau	uaauuuuuua	aagaaaacuu	gcacuuguuu	uucuuuuuac	aguuaauucc	3960
uuccugcccc	aaaauuauaa	acucuaagug	uaaaaaaaag	ucuuuacaac	agcuucuugc	4020
uuguaaaaau	auguauuaua	caucuguauu	uuuuuuuuu	gcuccugaaa	aaugacuguc	4080
ccauucucca	cucacugcau	uuggggccuu	ucccauuggu	cugcaugucu	uuuaucauug	4140
caggccagug	gacagaggga	gaaggagaga	caggggucgc	caacacuugu	guugcuuuu	4200
gacugauccu	gaacaagaaa	gaguaacacu	gaggcgcucg	cucccaugca	caacucucca	4260
aaacacuauu	ccuccugcaa	gagugggcuu	uccagggucu	uuacugggaa	gcaguuaagc	4320

p11089.ST25.txt

```

ccccuccuca ccccuuccuu uuuucuuucu uuacuccuuu ggcuucaaag gauuuuggaa 4380
aagaaacaau augcuuuaca cucauuuuca auuucuaaa uugcagggga uacugaaaaa 4440
uacggcaggu ggccuaaggc ugcuguaaag uugaggggag aggaaauuu aagauuacaa 4500
gauaaaaaac gaaucccccua aacaaaaaga acaauagaac uggucuucca uuuugccacc 4560
uuuccuguuc augacagcua cuaaccugga gacaguaaca uuucauuuac caaagaaagu 4620
gggucaccug accucugaag agcugaguac ucaggccacu ccaaucaccc uacaagaugc 4680
caaggagguc ccaggaaguc cagcuccuua aacugacgcu agucaauaaa ccugggcaag 4740
ugaggcaaga gaaaugagga agaauccauc ugugagguga caggcaagga ugaaagacaa 4800
agaaggaaaa gaguaucaaa ggcagaaaag agaucauuua guugggucug aaaggaaaag 4860
ucuungcuau ccgacaugua cugcuaguac cuguaagcau uuuaaggucc agaauaggaa 4920
aaaaaaucag cuauugguaa uauaauaaug uccuuucccu ggagucaguu uuuuuaaaaa 4980
guuaacucuu aguuuuuacu uguuuuuuuc uaaaagagaa gggagcugag gccauucccu 5040
guaggaguaa agauaaaagg auaggaaaag auucaaagcu cuaauagagu cacagcuuuc 5100
ccagguauaa aaccuaaaa uagaaguac aauaagcaga gguggaaaau gaucuaguuc 5160
cugauagcua cccacagagc aagugauuuu uaaaauugaa auccaaacua cuuucuuau 5220
aucacuuugg ucuccauuuu ucccaggaca ggaaauaugu ccccccuaa cuuucuuugu 5280
ucaaaaauuu aaauccagca uccaagauc auucuaacag uaauuuugca cagacaucuc 5340
cucacccag ugccugucug gagcucaccc aaggucacca aacaacuugg uugugaacca 5400
acugccuuaa ccuucugggg gagggggauu agcuagacua ggagaccaga agugaauggg 5460
aaaggguag gacuucacaa uguuggccug ucagagcuug auuagaagcc aagacagugg 5520
cagcaaagga agacuuggcc caggaaaaac cuguggguug ugcuaauuuc uguccagaaa 5580
auaggguuga cagaagcuug ugggguacau ggaggauug ggaccugguu auguuguuau 5640
ucucggacug ugaauuuugg ugauguaaaa cagaauuuc uguaaaccua augucuguau 5700
aaauaagag cguuaacaca guaaaauuu caauaagaag ucaaacuacu aggguaa 5757

```

<210> 20
 <211> 5700
 <212> RNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(5700)
 <223> LOCUS BACE 5700 bp mRNA linear P
 RI 21-MAY-2002
 DEFINITION Homo sapiens beta-site APP-cleaving enzyme (BACE), tr
 ansript
 variant c, mRNA.
 ACCESSION NM_138971; VERSION NM_138971.1 GI:21040363

<300>

<308> NM_138971.1

<309> 2002-05-21

<313> (1) .. (5700)

<400> 20

```

uccccagccc gcccgaggagc ugcgagccgc gagcuggauu augguggccu gagcagccaa      60
cgcagccgca ggagcccgga gcccuugccc cugcccgcgc cgcgcgccgc cggggggacc      120
agggaagccg ccaccggccc gccaugcccc ccccucccag ccccgccggg agcccgcgcc      180
cgcugcccag gcuggccgcc gccgugccga uguagcgggc uccggaucac agccucuccc      240
cugcucccgu gcucugcgga ucucuccuga ccgcucucca cagcccggac ccgggggucg      300
gccaggggcc cugcaggccc uggcguccug augcccccaa gcuccucuc cugagaagcc      360
accagacca cccagacuug ggggcaggcg ccagggacgg acgugggcca gugcgagccc      420
agagggcccc aaggccgggg cccaccaugg cccaagcccu gccuaggcuc cugcugugga      480
ugggcgcggg agugcugccu gcccacggca cccagcacgg cauccggcug cccugcgca      540
gcggccuggg gggcgcccc cuggggcugc ggcugccccg ggagaccgac gaagagcccc      600
aggagcccgg ccggaggggc agcuuugugg agauggugga caaccugagg ggcaagucgg      660
ggcagggcua cuacguggag augaccgugg gcagcccccc gcagacgcuc aacaucucgg      720
uggauacagg cagcaguaac uuugcagugg gugcugcccc ccacccuuc cugcaucgcu      780
acuaccagag gcagcugucc agcacauacc gggaccuccg gaagggugug uaugugcccu      840
acaccaggg caagugggaa ggggagcugg gcaccgaccu gccugacgac uccugggagc      900
cuuucuuuga cucucuggua aagcagaccc acguucccaa ccucucucc cugcagcuuu      960
guggugcugg cuucccccuc aaccagucug aagugcuggc cucugucgga gggagcauga     1020
ucauuggagg uaucgaccac ugcguguaca caggcagucu cugguauaca cccaucggc      1080
gggaguggua uuaugagguc aucauugugc ggguggagau caauggacag gaucugaaaa     1140
uggacugcaa ggaguacaac uaugacaaga gcauugugga caguggcacc accaaccuuc     1200
guuugcccaa gaaaguguuu gaagcugcag ucaaauccau caaggcagcc uccuccacgg     1260
agaaguuccc ugaugguuuc uggcuaggag agcagcuggu gugcuggcaa gcaggacca     1320
cccuugggaa cauuuuucca gucaucucac ucuaccuaau gggugagguu accaaccagu     1380
ccuuccgcau caccuuccuu ccgcagcaau accugcggcc aguggaagau guggccacgu     1440
cccaagacga cuguuacaag uuugccaucu cacagucauc cacgggcacu guuaugggag     1500
cuguuaucau ggagggcuuc uacguugucu ugaucgggc ccgaaaacga auuggcuuug     1560
cugucagcgc uugccaugug cacgaugagu ucaggacggc agcgguggaa ggccuuuuug     1620
ucaccuugga cauggaagac uguggcuaca acauuccaca gacagaugag ucaaccuca     1680
ugaccuagc cuaugucaug gcugccaucu gcgcccucuu caugcugcca cucugccuca     1740
ugguguguca guggcgucgc cuccgcugcc ugcgccagca gcaugaugac uuugcugaug     1800
acaucucccu gcugaaguga ggaggcccau gggcagaaga uagagauucc ccuggaccac     1860

```

p11089.ST25.txt

accuccgugg	uucacuuugg	ucacaaguag	gagacacaga	uggcaccugu	ggccagagca	1920
ccucaggacc	cuccccaccc	accaaaugcc	ucugccuuga	uggagaagga	aaaggcuggc	1980
aagguggguu	ccagggacug	uaccuguagg	aaacagaaaa	gagaagaaag	aagcacucug	2040
cuggcgggaa	uacucuuggu	caccucaaau	uuaagucggg	aaauucugcu	gcuugaaacu	2100
ucagcccuga	accuuuugucc	accauuccuu	uaauuucucc	aacccaaagu	auucuucuuu	2160
ucuuaguuuu	agaaguacug	gcaucacacg	cagguuaccu	uggcgugugu	cccuguggua	2220
cccuggcaga	gaagagacca	agcuuguuuc	ccugcuggcc	aaagucagua	ggagaggau	2280
cacaguuuuc	uauuugcuuu	agagacaggg	acuguauaaa	caagccuac	auuggugcaa	2340
agauugccuc	uugaauuaaa	aaaaaaaacu	agauugacua	uuuauacaaa	ugggggcggc	2400
uggaaagagg	agaaggagag	ggaguacaaa	gacagggau	agugggauca	aagcuaggaa	2460
aggcagaaac	acaaccacuc	accaguccua	guuuuagacc	ucaucuccaa	gauagcaucc	2520
caucucagaa	gauggguguu	guuuucaaug	uuuucuuuuc	ugugguugca	gccugaccaa	2580
aagugagau	ggaaggguu	aucuagccaa	agagcucuuu	uuuagcucuc	uuaaaugaag	2640
ugcccacuaa	gaaguuccac	uuaacacaug	aaauucugcc	auauuaauuu	cauugucucu	2700
aucugaacca	cccuuuauuc	uacauaugau	aggcagcacu	gaaauauccu	aacccccuaa	2760
gcuccaggug	cccuguggga	gagcaacugg	acuauagcag	ggcugggcuc	ugucuuccug	2820
gucauaggcu	cacucuuucc	cccaaaucuu	ccucuggagc	uuugcagcca	aggugcuaaa	2880
aggaauaggu	aggagaccuc	uucuaucuaa	uccuuaaaag	cauaauguug	aacauucauu	2940
caacagcuga	ugcccuauaa	ccccugccug	gauuucuuuc	uauuaggcua	uaagaaguag	3000
caagaucuuu	acauaaauca	gagugguuuc	acugccuucc	uaccucucuc	aauggccccu	3060
ccauuuauuu	gacuaaagca	ucacacagug	gcacuagcau	uauaccaaga	guaugagaaa	3120
uacagugcuu	uauggcucua	acauuacugc	cuucaguauc	aaggcugccu	ggagaaagga	3180
uggcagccuc	agggcuuccu	uauguccucc	accacaagag	cuccuugaug	aaggucaucu	3240
uuuucccua	uccuguucuu	ccccuccccg	cuccuaaugg	uacgugggua	cccaggcugg	3300
uuuuggggcu	agguaguggg	gaccaaguuc	auuaccuccc	uaucaguucu	agcauaguaa	3360
acuacgguac	caguguuagu	gggaagagcu	ggguuuuccu	aguauacca	cugcauccua	3420
cuccuaccug	gucaacccgc	ugcuuccagg	uauuggaccu	gcuaagugug	gaauuaccug	3480
auaagggaga	gggaaauaca	aggagggccu	cuggguuucc	uggccucagc	cagcugccca	3540
caagccauaa	accaauaaaa	caagaauacu	gagucaguuu	uuuauucuggg	uucucuucau	3600
ucccacugca	cuuggugcug	cuuuggcuga	cugggaacac	cccuaaacua	cagagucuga	3660
caggaagacu	ggagacuguc	cacuucuaagc	ucggaacuua	cuguguaaa	aaacuucag	3720
aacugcuacc	augaagugaa	aaugccacau	uuugcuuuau	aaauucuaacc	cauguuggga	3780
aaaacuggcu	uuuucccagc	ccuuuccagg	gcuaaaaacu	caaccccuuc	gauagcaagu	3840
cccaucagcc	uauuuuuuuu	uuaaagaaaa	cuugcacuug	uuuuucuuuu	uacaguuaacu	3900

p11089.ST25.txt

uccuuccugc	ccccaaaaua	uaaacucuaa	guguaaaaaa	aagucuaaac	aacagcuucu	3960
ugcuuguaaa	aaauauguau	auacaucugu	auuuuuuaau	ucugcuccug	aaaaaugacu	4020
gucccauucu	ccacucacug	cauuuggggc	cuuucccau	ggucugcaug	ucuuuuauca	4080
uugcaggcca	guggacagag	ggagaagggg	gaacaggggu	cgccaacacu	uguguugcuu	4140
ucugacugau	ccugaacaag	aaagaguaac	acugaggcgc	ucgcucccau	gcacaacucu	4200
ccaaaacacu	uauccuccug	caagaguggg	cuuuccaggg	ucuuuacugg	gaagcaguua	4260
agccccucc	ucaccccuuc	cuuuuuucuu	ucuuuacucc	uuuggcuuca	aaggauuuug	4320
gaaaagaaac	aaauaugcuu	acacucauuu	ucaauuucua	aaauugcagg	ggauacugaa	4380
aaauacggca	gguggccuaa	ggcugcugua	aaguugaggg	gagaggaaau	cuuaagauua	4440
caagauaaaa	aacgaauccc	cuaaacaana	agaacaauag	aacuggucuu	ccauuuugcc	4500
accuuuccug	uucaugacag	cuacuaaccu	ggagacagua	acauuucauu	aaccaaagaa	4560
agugggucac	cugaccucug	aagagcugag	uacucaggcc	acuccaauca	cccuacaaga	4620
ugccaaggag	gucccaggaa	guccagcucc	uuaaacugac	gcuagucaau	aaaccugggc	4680
aagugaggca	agagaaauga	ggaagaaucc	aucugugagg	ugacaggcaa	ggaugaaaga	4740
caaagaagga	aaagaguau	aaaggcagaa	aggagaucuu	uuaguugggu	cugaaaggaa	4800
aagucuauug	uauccgacau	guacugcuag	uaccuguaag	cauuuuaggu	cccagaauug	4860
aaaaaaaaau	cagcuauugg	uaauauaaua	auguccuuuc	ccuggaguca	guuuuuuuua	4920
aaaguuuacu	cuuaguuuuu	acuuguuuua	uucuaaaaaga	gaagggagcu	gaggccauuc	4980
ccuguaggag	uaaagauaaa	aggauaggaa	aagauucaa	gcucuaauag	agucacagcu	5040
uucccaggua	uaaaaccuaa	aaauaagaag	uacaauaagc	agagguggaa	aaugaucuag	5100
uuccugauag	cuacccacag	agcaagugau	uuauaaaauu	gaaauccaaa	cuacuuucuu	5160
aaauacacuu	uggucuccau	uuuucccagg	acaggaaaau	ugucuuuuuu	uaacuuucuu	5220
gcuucaaaaa	uuaaaaucca	gcaucccaag	aucauuucua	aaguaauuuu	gcacagacau	5280
cuccucaccc	cagugccugu	cuggagcuca	ccaaggguca	ccaaacaacu	ugguugugaa	5340
ccaacugccu	uaaccuucug	ggggaggggg	auuagcuaga	cuaggagacc	agaagugaau	5400
gggaaagggg	gaggacuua	caauguuggc	cugucagagc	uugauuagaa	gccaagacag	5460
uggcagcaaa	ggaagacuug	gcccaggaaa	aaccuguggg	uugugcuauu	uucuguccag	5520
aaaauagggg	ggacagaagc	uuguggggua	cauggaggaa	uugggaccug	guuauguugu	5580
uaauucucgga	cugugaauuu	uggugaugua	aaacagaaua	uucuguaaac	cuaaugucug	5640
uaauaaauau	gagcguaaac	acaguaaaau	auucaauaag	aagucuaacu	acuagggguu	5700

<210> 21
 <211> 5625
 <212> RNA
 <213> Homo sapiens

p11089.ST25.txt

```

<220>
<221> misc_feature
<222> (1)..(5625)
<223> LOCUS          BACE          5625 bp      mRNA      linear      P
      RI 05-NOV-2002
      DEFINITION  Homo sapiens beta-site APP-cleaving enzyme (BACE), tr
      anscript
      variant d, mRNA.
      ACCESSION   NM_138973; VERSION      NM_138973.1  GI:21040367

```

```

<300>
<308> NM_138973
<309> 2002-11-05
<313> (1)..(5625)

```

```

<400> 21
uccccagccc gcccgggagc ugcgagccgc gagcuggauu augguggccu gagcagccaa      60
cgcagccgca ggagcccgga gcccuugccc cugcccgcgc cgccgcccgc cggggggacc      120
aggggaagccg ccaccggccc gccaugcccc ccccucccag ccccgccggg agcccgcgcc      180
cgcugcccag gcuggccgcc gccgugccga uguagcgggc uccggauccc agccucuccc      240
cugcucccg ugcugcgga ucuccccuga ccgcucucca cagcccggac ccgggggcug      300
gcccagggcc cugcaggccc uggcguccug augccccaa gcucccucuc cugagaagcc      360
accagcacca cccagacuug ggggcaggcg ccagggacgg acgugggcca gugcgagccc      420
agagggcccc aaggccgggg ccaccaaugg cccaagcccu gcccuggcuc cugcugugga      480
ugggcgcggg agugcugccu gcccacggca cccagcacgg cauccggcug cccugcgca      540
gcgggccuggg gggcgcccc cuggggcugc ggcugccccg ggagaccgac gaagagcccg      600
aggagcccgg ccggaggggc agcuuugugg agauggugga caaccugagg ggcaagucgg      660
ggcagggcua cuacguggag augaccgugg gcagcccccc gcagacgcuc aacauccugg      720
uggauacagg cagcaguaac uuugcagugg gugcugcccc ccacccuuc cugcaucgcu      780
acuaccagag gcagcugucc agcacauacc gggaccuccg gaagggugug uaugugcccu      840
acaccaggg caagugggaa ggggagcugg gcaccgaccu gcuuuguggu gcuggcuucc      900
cccucaacca gucugaagug cuggccucug ucggagggag caugaucuu ggagguaucg      960
accacucgcu guacacaggc agucucuggu auacacccau ccggcgggag ugguaauaug      1020
aggucaucau ugugcgggug gagaucaaug gacaggau cu gaaaugggac ugcaaggagu      1080
acaacuauga caagagcauu guggacagug gcaccaccaa ccuucguuug cccaagaaag      1140
uguuugaagc ugcagucaaa uccaucaagg cagccuccuc cacggagaag uucccugaug      1200
guuucuggcu aggagagcag cuggugugcu ggcaagcagg caccaccccu uggaacauuu      1260
ucccagucau cucacucuac cuaaugggug agguuaccaa ccaguccuuc cgcaucacca      1320
uccuuccgca gcaauaccug cggccagugg aagauguggc cacgucccaa gacgacuguu      1380
acaaguugc caucucacag ucauccacgg gcacuguuau gggagcuguu aucauggagg      1440
gcuucuacgu ugucuugau cgggcccga aacgaauugg cuuugcuguc agcgcuggcc      1500

```

p11089.ST25.txt

augugcacga	ugaguucagg	acggcagcgg	uggaaggccc	uuuugucacc	ugggacau	1560
aagacugugg	cuacaacauu	ccacagacag	augagucaac	ccucaugacc	auagccuau	1620
ucauggcugc	caucugcgcc	cucuucaugc	ugccacucug	ccucauggug	ugucaguggc	1680
gcugccuccg	cugccugcgc	cagcagcaug	augacuuugc	ugaugacauc	ucccugcuga	1740
agugaggagg	cccaugggca	gaagauagag	auucccccug	accacaccuc	cgugguucac	1800
uuuggucaca	aguaggagac	acagauggga	ccuguggcca	gagcaccuca	ggacccuccc	1860
caccaccaa	augccucugc	cuugauggag	aaggaaaagg	cuggcaaggu	ggguuccagg	1920
gacuguaccu	guaggaaaca	gaaaagagaa	gaaagaagca	cucugcuggc	gggaauacuc	1980
uuggucaccu	caaaauuaag	ucgggaaauu	cugcugcuug	aaacuucagc	ccugaaccuu	2040
uguccaccau	uccuuuaaau	ucuccaacc	aaaguauucu	ucuuuucua	guuucagaag	2100
uacuggcauc	acacgcaggu	uaccuuggcg	ugugucccug	ugguaccucg	gcagagaaga	2160
gaccaagcuu	guuuucccug	uggccaaagu	caguaggaga	ggaugcacag	uuugcuauuu	2220
gcuuuagaga	cagggacugu	auaaaacaagc	cuaacauugg	ugcaaagauu	gccucuugaa	2280
uuaaaaaaaa	aaacuagauu	gacuaauuuu	acaaaugggg	gcggcuggaa	agaggagaag	2340
gagagggagu	acaaagacag	ggaauagugg	gaucaaagcu	aggaaaggca	gaaacacaa	2400
cacucaccag	uccuaguuuu	agaccucauc	uccaagauag	caucccaucu	cagaagaugg	2460
guguuguuuu	caauguuuuc	uuuucugugg	uugcagccug	accaaaagug	agaugggaag	2520
ggcuuaucua	gccaaagagc	ucuuuuuuag	cucucuuaaa	ugaagugccc	acuaagaagu	2580
uccacuuaac	acaugaauuu	cugccauauu	aauuucauug	ucucuauucg	aaccacccuu	2640
uauucuacau	augauaggca	gcacugaaau	auccuaacc	ccuaagcucc	aggugcccug	2700
ugggagagca	acuggacuau	agcagggcug	ggcucugucu	uccuggucau	aggcucacuc	2760
uuucccccaa	aucuuccucu	ggagcuuugc	agccaaggug	cuaaaaggaa	uagguaggag	2820
accucuucua	ucuaauccuu	aaaagcauaa	uguugaacau	ucauucaaca	gcugaugccc	2880
uauaaccucc	gccuggauuu	cuuccuauua	ggcuauaaga	aguagcaaga	ucuuuacaua	2940
auucagagug	guuucacugc	cuuccuacc	ucucuauugg	ccccuccauu	uauuugacua	3000
aagcaucaca	caguggcacu	agcauuauac	caagaguaug	agaaauacag	ugcuuuauug	3060
cucuaacauu	acugccuuc	guaucaaggc	ugccuggaga	aaggauaggc	gccucagggc	3120
uuccuuaugu	ccuccaccac	aagagcuccu	ugaugaaggu	caucuuuuuc	cccuauccug	3180
uucuuccccu	ccccgcuccu	aaugguacgu	ggguaccag	gcugguucuu	gggcuaggua	3240
guggggacca	aguucauuac	cucccuauca	guucuagcau	aguaaacuac	gguaaccagug	3300
uuagugggaa	gagcuggguu	uuccuaguau	accacugca	uccuacuccu	accuggucaa	3360
cccgugcuu	ccagguauug	gaccugcuua	guguggaaau	accugauaag	ggagagggaa	3420
auacaaggag	ggccucuggu	guuccuggcc	ucagccagcu	gcccacaagc	cauaaaccaa	3480
uaaaacaaga	auacugaguc	aguuuuuuau	cuggguucuc	uucuuuccca	cugcacuugg	3540

p11089.ST25.txt

ugcugcuuug	gcugacuggg	aacaccccau	aacuacagag	ucugacagga	agacuggaga	3600
cuguccacuu	cuagcucgga	acuuacugug	uaaauaaacu	uucagaacug	cuaccaugaa	3660
gugaaaaugc	cacauuuuugc	uuuauaaauu	cuacccaugu	ugggaaaaac	uggcuuuuuc	3720
ccagcccuuu	ccagggcaua	aaacucaacc	ccuucgauag	caagucccau	cagccuauua	3780
uuuuuuuaaa	gaaaacuugc	acuuguuuuu	cuuuuuacag	uuacuuccuu	ccugccccaa	3840
aaauauaaac	ucuaagugua	aaaaaaaguc	uuaacaacag	cuucuugcuu	guaaaaauau	3900
guauuauaca	ucugauuuuu	uaaaauucugc	uccugaaaaa	ugacuguccc	auucuccacu	3960
cacugcauuu	ggggccuuuc	ccauugggucu	gcaugucuuu	uaucauugca	ggccagugga	4020
cagagggaga	agggagaaca	ggggucgcca	acacuugugu	ugcuuucuga	cugauccuga	4080
acaagaaaga	guaacacuga	ggcgucgcu	cccaugcaca	acucuccaaa	acacuuaucc	4140
uccugcaaga	gugggcuuuc	cagggucuuu	acugggaagc	aguuaagccc	ccuccucacc	4200
ccuuccuuuu	uucuuucuuu	acuccuuugg	cuucaaaagga	uuuuggaaaa	gaaacaauau	4260
gcuuuacacu	cauuuucaau	uucuaaaauu	gcaggggaua	cugaaaaaua	cggcaggugg	4320
ccuaaggcug	cuguaaaguu	gaggggagag	gaaaucuuaa	gauuacaaga	uaaaaaacga	4380
aucccccuaa	caaaaagaac	aauagaacug	gucuuccauu	uugccaccuu	uccuguucau	4440
gacagcuacu	aaccuggaga	caguaacauu	ucauuuaacca	aagaaagugg	gucaccugac	4500
cucugaagag	cugaguacuc	aggccacucc	aaucacccua	caagaugcca	aggagguccc	4560
aggaagucca	gcuccuuuaa	cugacgcuag	ucaauaaacc	ugggcaagug	aggcaagaga	4620
aaugaggaag	aauccaucug	ugaggugaca	ggcaaggau	aaagacaaag	aaggaaaaga	4680
guaucaaagg	cagaaaggag	aucuuuagu	ugggucugaa	aggaaaaguc	uuugcuaucc	4740
gacauguacu	gcuaguaccu	guaagcauuu	uaggucccag	aauggaaaaa	aaaaucagcu	4800
auugguaaua	uaauaauguc	cuuucccugg	agucaguuuu	uuuaaaaagu	uaacucuuag	4860
uuuuuacuug	uuuaauucua	aaagagaagg	gagcugaggc	cauucccugu	aggaguaaag	4920
auaaaaggau	aggaaaagau	ucaaagcucu	aauagaguca	cagcuuuccc	agguaaaaaa	4980
ccuaaaauua	agaaguacaa	uaagcagagg	uggaaaauga	ucuaguuccu	gauagcuacc	5040
cacagagcaa	gugauuuuaa	aauuugaaau	ccaaacuacu	uucuuauau	cacuuugguc	5100
uccauuuuuc	ccaggacagg	aaauaugucc	cccccuacu	uucuuugcuu	aaaaauuaaa	5160
auccagcauc	ccaagaucau	ucuacaagua	auuuugcaca	gacaucuccu	caccccagug	5220
ccugucugga	gcucacccaa	ggucaccaa	caacuugguu	gugaaccaac	ugccuuuaacc	5280
uucuggggga	ggggggaauag	cuagacuagg	agaccagaag	ugaaugggaa	agggugagga	5340
cuucacaau	uuggccuguc	agagcuugau	uagaagccaa	gacaguggca	gcaaaggaag	5400
acuuggccca	ggaaaaaccu	guggguugug	cuaauuucug	uccagaaaau	aggguggaca	5460
gaagcuugug	ggguacaugg	aggaaauugg	accugguuau	guuguuauuc	ucggacugug	5520

p11089.ST25.txt
aauuuuggug auguaaaaca gaauauucug uaaaccuaau gucuguauaa auaaugagcg 5580
uuaacacagu aaaauauuca auaagaaguc aaacuacuag gguua 5625

<210> 22
<211> 3880
<212> RNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)..(3880)
<223> LOCUS Bace 3880 bp mRNA linear R
OD 07-JAN-2002
DEFINITION Mus musculus beta-site APP cleaving enzyme (Bace), mR
NA.
ACCESSION NM_011792; VERSION NM_011792.2 GI:6857758

<300>
<308> NM_011792
<309> 2002-01-07
<313> (1)..(3880)

<400> 22
ccccagccug ccuaggugcu gggagccggg agcuggauua ugguggccug agcagccgac 60
gcagccgcag gagcugggag ucccucacgc ugcaaagucc gccuggaaga ccugaaaagc 120
ugcaggcucc gauagccaug cccgccccuc ccagccccac aaggggcccg auccccccgc 180
ugaggcuggc ggucgccguc cagauuuagc uggguccccc ggauccgcau cguccucuuc 240
ucucgugcgc uacagauuuc uccugccac ucuccaccgc cgggagcagg aacugaucga 300
aggggcccugc agacucugca guccugaugc ccccgaggcc gcucuccuga gagaagccac 360
caccacccag acuuaggggc aggcaagagg gacagucacc aaccggacca caaggcccgg 420
gcucacuaug gccccagcgc ugcacuggcu ccugcuauug gugggcucgg gaauvcugcc 480
ugcccagggg acccaucucg gcauccggcu gcccucucgc agcggccugg cagggccacc 540
ccugggcccug aggcugcccc gggagaccga cgaggaauvc gaggagccug gccggagagg 600
cagcuuugug gagauggugg acaaccugag gggaaagucc ggccagggcu acuaugugga 660
gaugaccgua ggcagcccc caccagcgu caacaucug guggacacgg gcaguaguua 720
cuuugcagug ggggucgccc cacacccuuu ccugcaucgc uacuaccaga ggcagcuguc 780
cagcacauau cgagaccucc gaaagggugu guauggccc uacaccagg gcaaguggga 840
gggggaacug ggcaccgacc uggugagcau ccucauggc cccaacguca cugugcgugc 900
caacauugcu gccaucacug aaucggacaa guucuuauc aaugguucca acugggaggg 960
cauccuaggg cuggccuau cugagauugc caggcccgc gacucuugg agcccuuuu 1020
ugacucccug gugaagcaga cccacauucc caacauuuu ucccugcagc ucuguggcgc 1080
uggcuuucc cucaaccaga ccgaggcacu ggccucggug ggagggagca ugaucuuug 1140
ugguauvcag cacucgcua acacgggag ucucugguac acaccacucc ggcgggagug 1200
guauuaugaa gugaucauug uacgugugga aaucuuuggu caagaucua agauggacug 1260

p11089.ST25.txt

caaggaguac	aacuacgaca	agagcauugu	ggacaguggg	accaccaacc	uucgcuugcc	1320
caagaaagua	uuugaagcug	ccgucaaguc	caucaaggca	gccuccucga	cggagaaguu	1380
cccggauggc	uuuuggcuag	gggagcagcu	ggugugcugg	caagcaggca	cgaccccuug	1440
gaacauuuuc	ccagucauuu	cacuuuaccu	caugggugaa	gucaccaauc	aguccuuccg	1500
caucaccauc	cuuccucagc	aauaccuacg	gccgguggag	gacguggcca	cgucccaaga	1560
cgacuguuac	aaguucgcug	ucucacaguc	auccacgggc	acuguuauug	gagccgucan	1620
cauggaaggu	uucuaugucg	ucuuucgaucg	agcccgaag	cgaauuggcu	uugcugucag	1680
cgcuugccau	gugcacgaug	aguucaggac	ggcggcagug	gaagguccgu	uuguuacggc	1740
agacauggaa	gacuguggcu	acaacauucc	ccagacagau	gagucaaac	uuauugaccau	1800
agccuauugc	auggcgggcca	ucugcgcccu	cuucauguug	ccacucugcc	ucaugguaug	1860
ucaguggcgc	ugccugcggu	gccugcgcca	ccagcacgau	gacuuugcug	augacaucuc	1920
ccugcucaag	uaaggaggcc	cgugggcaga	ugauggagac	gcccucggac	cacaucuggg	1980
ugguucccuu	uggucacaug	aguuggagcu	auggauggua	ccuguggcca	gagcaccuca	2040
ggaccucac	caaccugcca	augcuucugg	cgugacagaa	cagagaaauc	aggcaagcug	2100
gauuacaggg	cuugcaccug	uaggacacag	gagagggag	gaagcagcgu	ucugguggca	2160
ggaauauccu	uagacaccac	aaacuugagu	uggaaaauuu	gcugcuugaa	gcuucagccc	2220
ugaccucug	cccagcaucc	uuuagagucu	ccaaccucga	guauucuuuc	uguccuucca	2280
gaaguacugg	ugucauacuc	aggcuacccg	gcaugugucc	cugugguacc	cuggcagaga	2340
aagggccaau	cuucauuucc	ccugcuggcc	aaagucagca	gaagaaagug	aaguugcca	2400
guugcuuuag	ugauagggac	uugcagacuc	aagccuacac	ugguacaaag	acugcgucuu	2460
gagauaaaca	agaaccuau	cgauvcgaau	guuuauacuc	cugggggcag	ucaagaugag	2520
gagacaggau	aggauagaga	caggaaggag	augguagcaa	aacugggaaa	ggcagaacuc	2580
ugaucacuuu	cuaguuccaa	guuuagacuc	aucuccaaga	cagaagccca	ucuggacuaa	2640
gagguaucau	uccccaau	gccugugguu	guagucugaa	cugaaaugaa	augggggaaa	2700
aagggcuuau	uagccaaaga	gcucuuuuua	acacucuuag	aggaacagug	cucaugagaa	2760
aagucccacu	ggacagauga	auuccuauuc	uguuaauuc	gucucucucu	gcuucuucaa	2820
caugcuaagu	ggcaccaaaa	ugaccaaac	ccaaggucuu	aggugcccu	ugggacaaca	2880
guuagaauau	uguagggcu	gggauggucu	ucccagcaua	gguucacucc	aaccaaggug	2940
cuaaaaggaa	cagacaggag	aaguccuccu	cucugauc	caaaggcaga	gcccucaga	3000
uucauccagc	caggguuagg	gcugaugcau	uugccucugc	cuggauuuug	uuuuuuuuu	3060
cuuucuuuuu	gcccagugg	guacaaaacg	auaagcucu	uauggaauc	ugaguggguu	3120
cauuccucuc	uugcccucuc	caauggccc	ucuauuuau	uggcuuagga	aacaccacgc	3180
auuggcuagu	auuaaacagc	aacuguaaga	uagaggguu	ucuguucua	gucauugccu	3240

p11089.ST25.txt

```

ucaguaucac ggcugccugg agaaagggaug gcagccucag ggcuuccuua cuuucuucuc 3300
cuuuccugac agagcagccu uucuguccug cucucugcug cccucccaa uaauauccau 3360
ggguacccag gcugguucuu gggcuagguu gugggggcca cacucaccuc uucccugcca 3420
guucuaacac gacagacaug aagccagugu uagugggaag agcuggguuu ucccaggau 3480
accacugcau ccucuccugg uacgcucuac acugcuuua ggcugggggac cugccaagug 3540
ugggacaguu gaugaggaag agacauuagc agggccucug gaguugcugg cccagccagc 3600
ugcccacaag ccauaaacca auaaaauaag aauccugcgu cacaguuucc agcugggucc 3660
ucuuccuugc ccucgcacug gugcugcucu ggcugaguag gaauacaccc acagacugcc 3720
aggaagaugg agacuguccg cuuccggcuc agaacuacag uguauuaag cuuccaggau 3780
cacuaccaug aaaacgccgc auucugcuuu aucauuucua cccauguugg gaaaaacugg 3840
cuuuuucccc auuucuuuac agggcaaaaa aaaaaaaaaa 3880

```

```

<210> 23
<211> 1096
<212> RNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(1096)
<223> LOCUS          SNCA          1096 bp    mRNA    linear    P
        RI 05-NOV-2002
        DEFINITION  Homo sapiens synuclein, alpha (non A4 component of am
        yloid
                precursor) (SNCA), transcript variant NACP112, mRNA.
        ACCESSION   NM_007308:  VERSION      NM_007308.1  GI:6806897

```

```

<300>
<308> NM_007308
<309> 2002-12-05
<313> (1)..(1096)

```

```

<400> 23
gaauucauuu gccauggaug uauucaugaa aggacuuua aaggccaagg agggaguugu 60
ggcugcugcu gagaaaacca aacagggugu ggcagaagca gcaggaaaga caaaagaggg 120
uguucucuau guaggcucca aaaccaagga gggaguggug cauggugugg caacaguggc 180
ugagaagacc aaagagcaag ugacaaaugu uggaggagca guggugacgg gugugacagc 240
aguagcccag aagacagugg agggagcagg gagcauugca gcagccacug gcuuugucaa 300
aaaggaccag uugggcaagg aaggguauca agacuacgaa ccugaagccu aagaaauauc 360
uuugcuccca guuucuugag aucugcugac agauguucca uccuguacaa gugcucaguu 420
ccaaugugcc cagucaugac auuucuaaaa guuuuuacag uguaucucga agucuuccau 480
cagcagugau ugaaguaucu guaccugccc ccacucagca uuucggugcu ucccuuucac 540
ugaagugaau acaugguagc agggucuuug ugugcugugg auuuuguggc uucaaucuac 600
gauguuaaaa caaaauaaaa acaccuaagu gacuaccacu uauuucuaaa uccucacuau 660

```

p11089.ST25.txt

uuuuuuuguug	cuguuguuca	gaaguuguua	gugauuugcu	aucuuuuuu	auaaguuuu	720
uaggugucuu	uuuauugauac	ugucuaagaa	uaugacgua	uugugaaau	uguuaauua	780
uauauuacuu	aaaaauaugu	gagcaugaaa	cuugcaccu	auaaaauacua	aaauugaaau	840
uuuaccuuu	ugcgaugugu	uuuauucacu	uguguuuua	uauaaauggu	gagaauuuu	900
auaaaacguu	aucucauugc	aaaaauuuu	uuuuuuuau	ccaucucacu	uuauuuuuu	960
aaaucaugcu	uauaagcaac	augaauuaag	aacugacaca	aaggacaaaa	auauuuuuu	1020
auuuauagcc	uuuugaagaa	ggaggaauu	uagaagaggu	agagaaaaug	gaacuuuuu	1080
ccuacacucg	gaauuc					1096